SEMIWARE

TVS
Transient Voltage Suppressors
Catalog 2023

SEMIWARE

CATALOGUE

Semiware Semiconductor Inc.
No.3387 Shendu Road Pujiang
I&E Park Shanghai China
201000

Free Hotline:
400-021-5756

Sales:
86-21-3463-7458
Sales01@semiware.com

Technical Suppot:
86-21-3463-7654
Fae01@semiware.com

For more product information,
Please scan the QR code

SVF20 ..... P1-3
SVAF40 ..... P4-6
SVAF60 ..... P7-8
SVA40 ..... P9-11
SVA60 ..... P12-14
SVB60 ..... P15-17
SVB100 ..... P18-20
SVB150 ..... P21-22
SVC150 ..... P23-25
SVC300 ..... P26-28
SVC500 ..... P29-31
SVC800 ..... P32-33
3KP P34-36
5KP P37-39
15KPA P40-42
20KPA P43-45
AK10 ..... P46-47
AKM06 ..... P48
AKM10 ..... P49
TPSMF P50-51
TPSMF4L P52-54
TPSMAJ P55-57
TPSMBJ P58-60
TPSMCJ P61-63
TPSMDJ P64-65
TP5.0SMDJ P66-67
SM8SXXA P68-69
SM8SXXCA P70-71
SMD5S P72-73
SMD6S P74-75
SMD8S P76-77

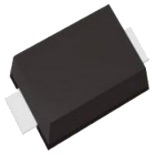
To find your local partner within Semiware's global network: www.semiware.com

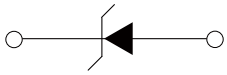
© 2022 Semiware Semiconductor Inc.

The content of this document has been carefully checked and understood. However, neither Semiware nor its subsidiaries assume any liability whatsoever for any errors or inaccuracies of this document and theconsequences thereof. Published specifications are subject to change without notice. Product suitability for any area of applic-ation must ultimately be determined by the customer. In all cases,products must never be operated outside their published specifications.Semiware does not guarantee the availability of all published products. This disclaimer shall be governed by substantive Swiss law and resulting disputes shall be settled by the courts at the place of business of Semiware . Latest publications and a complete disclaimer can be downloaded from the Semiware website. All trademarks recognized.

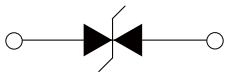
FEATURES

- Low profile package
- Ideal for automated placement
- 200 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance



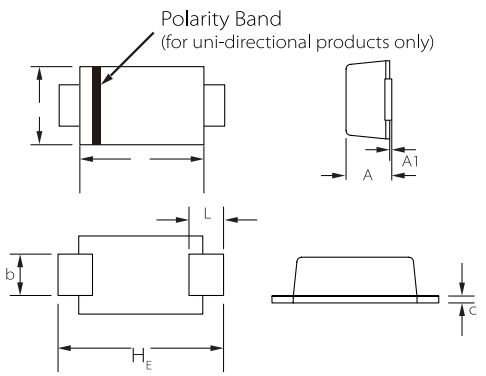


Uni-directionnal



Bi-directionnal

SOD-123FL PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	0.95	1.45	0.037	0.057
A1	0.00	0.10	0.000	0.004
b	0.70	1.20	0.028	0.047
c	0.05	0.30	0.002	0.012
D	1.50	2.00	0.059	0.079
E	2.50	2.90	0.098	0.114
L	0.35	0.90	0.014	0.035
H_E	3.40	3.90	0.134	0.154

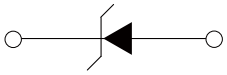
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_t(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVF20U3.3	SVF20B3.3	HZ	GZ	3.3	5.2	6.00	10	8.0	25.0	800
SVF20U5.0	SVF20B5.0	AE	FE	5.0	6.4	7.00	10	9.2	21.7	800
SVF20U6.0	SVF20B6.0	AG	FG	6.0	6.67	7.37	10	10.3	19.4	800
SVF20U6.5	SVF20B6.5	AK	FK	6.5	7.22	7.98	10	11.2	17.9	500
SVF20U7.0	SVF20B7.0	AM	FM	7.0	7.78	8.60	10	12.0	16.7	200
SVF20U7.5	SVF20B7.5	AP	FP	7.5	8.33	9.21	1	12.9	15.5	100
SVF20U8.0	SVF20B8.0	AR	FR	8.0	8.89	9.83	1	13.6	14.7	50
SVF20U8.5	SVF20B8.5	AT	FT	8.5	9.44	10.4	1	14.4	13.9	20
SVF20U9.0	SVF20B9.0	AV	FV	9.0	10.0	11.1	1	15.4	13.0	10

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVF20U10	SVF20B10	AX	FX	10.0	11.1	12.3	1	17.0	11.8	5
SVF20U11	SVF20B11	AZ	FZ	11.0	12.2	13.5	1	18.2	11.0	1
SVF20U12	SVF20B12	BE	GE	12.0	13.3	14.7	1	19.9	10.1	1
SVF20U13	SVF20B13	BG	GG	13.0	14.4	15.9	1	21.5	9.3	1
SVF20U14	SVF20B14	BK	GK	14.0	15.6	17.2	1	23.2	8.6	1
SVF20U15	SVF20B15	BM	GM	15.0	16.7	18.5	1	24.4	8.2	1
SVF20U16	SVF20B16	BP	GP	16.0	17.8	19.7	1	26.0	7.7	1
SVF20U17	SVF20B17	BR	GR	17.0	18.9	20.9	1	27.6	7.2	1
SVF20U18	SVF20B18	BT	GT	18.0	20.0	22.1	1	29.2	6.8	1
SVF20U20	SVF20B20	BV	GV	20.0	22.2	24.5	1	32.4	6.2	1
SVF20U22	SVF20B22	BX	GX	22.0	24.4	26.9	1	35.5	5.6	1
SVF20U24	SVF20B24	BZ	GZ	24.0	26.7	29.5	1	38.9	5.1	1
SVF20U26	SVF20B26	CE	HE	26.0	28.9	31.9	1	42.1	4.8	1
SVF20U28	SVF20B28	CG	HG	28.0	31.1	34.4	1	45.4	4.4	1
SVF20U30	SVF20B30	CK	HK	30.0	33.3	36.8	1	48.4	4.1	1
SVF20U33	SVF20B33	CM	HM	33.0	36.7	40.6	1	53.3	3.8	1
SVF20U36	SVF20B36	CP	HP	36.0	40.0	44.2	1	58.1	3.4	1
SVF20U40	SVF20B40	CR	HR	40.0	44.4	49.1	1	64.5	3.1	1
SVF20U43	SVF20B43	CT	HT	43.0	47.8	52.8	1	69.4	2.9	1
SVF20U45	SVF20B45	CV	HV	45.0	50.0	55.3	1	72.7	2.8	1
SVF20U48	SVF20B48	CX	HX	48.0	53.3	58.9	1	77.4	2.6	1
SVF20U51	SVF20B51	CZ	HZ	51.0	56.7	62.7	1	82.4	2.4	1
SVF20U54	SVF20B54	DE	IE	54.0	60.0	66.3	1	87.1	2.3	1
SVF20U58	SVF20B58	DG	IG	58.0	64.4	71.2	1	93.6	2.1	1
SVF20U60	SVF20B60	DK	IK	60.0	66.7	73.7	1	96.8	1.86	1
SVF20U64	SVF20B64	DM	IM	64.0	71.1	78.6	1	103.0	1.75	1
SVF20U70	SVF20B70	DP	IP	70.0	77.8	86.0	1	113.0	1.59	1
SVF20U75	SVF20B75	DR	IR	75.0	83.3	92.1	1	121.0	1.49	1
SVF20U78	SVF20B78	DT	IT	78.0	86.7	95.8	1	126.0	1.43	1
SVF20U85	SVF20B85	DV	IV	85.0	94.4	104.0	1	137.0	1.31	1
SVF20U90	SVF20B90	DX	IX	90.0	100.0	111.0	1	146.0	1.23	1
SVF20U100	SVF20B100	EZ	JZ	100.0	111.0	123.0	1	162.0	1.11	1
SVF20U110	SVF20B110	EE	JE	110.0	122.0	135.0	1	177.0	1.02	1
SVF20U120	SVF20B120	EG	JG	120.0	133.0	147.0	1	193.0	0.93	1

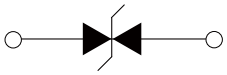
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVF20U130	SVF20B130	EK	JK	130.0	144.0	159.0	1	209.0	0.86	1
SVF20U150	SVF20B150	EM	JM	150.0	167.0	185.0	1	243.0	0.74	1
SVF20U160	SVF20B160	EP	JP	160.0	178.0	197.0	1	259.0	0.69	1
SVF20U170	SVF20B170	ER	JR	170.0	189.0	209.0	1	275.0	0.65	1
SVF20U180	SVF20B180	ET	JT	180.0	201.0	222.0	1	292.0	0.66	1
SVF20U190	SVF20B190	EU	JU	190.0	209.0	243.0	1	308.0	0.63	1
SVF20U200	SVF20B200	EV	JV	200.0	224.0	247.0	1	324.0	0.59	1
SVF20U210	SVF20B210	EW	JW	210.0	231.0	269.0	1	340.0	0.57	1
SVF20U220	SVF20B220	EY	JY	220.0	246.0	272.0	1	356.0	0.54	1

FEATURES

- Low profile package
- Ideal for automated placement
- 400 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to oppmize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance

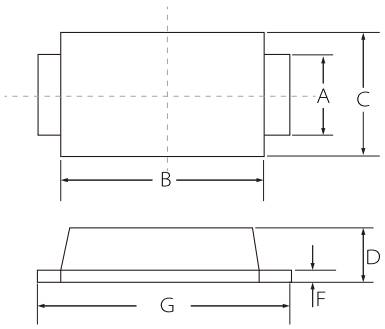


Uni-directionnal



Bi-directionnal

SMAF PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min	Max	Min	Max
A	1.35	1.45	0.053	0.057
B	3.40	3.80	0.134	0.145
C	2.40	2.80	0.094	0.110
D	0.95	1.45	0.037	0.057
F	0.15	0.22	0.006	0.009
G	4.40	4.80	0.173	0.189

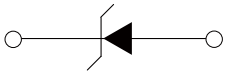
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Maximum Peak Pulse Current	Maximum Reverse Leakage @V_{RWM}
Unidirectional	Bidirectional	UNI	BI	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVAF40U5.0	SVAF40B5.0	AE	WE	5.0	6.40	7.00	10	9.2	43.5	800
SVAF40U6.0	SVAF40B6.0	AG	WG	6.0	6.67	7.37	10	10.3	38.8	800
SVAF40U6.5	SVAF40B6.5	AK	WK	6.5	7.22	7.98	10	11.2	35.7	500
SVAF40U7.0	SVAF40B7.0	AM	WM	7.0	7.78	8.60	10	12.0	33.3	200
SVAF40U7.5	SVAF40B7.5	AP	WP	7.5	8.33	9.21	1	12.9	31.0	100
SVAF40U8.0	SVAF40B8.0	AR	WR	8.0	8.89	9.83	1	13.6	29.4	50
SVAF40U8.5	SVAF40B8.5	AT	WT	8.5	9.44	10.40	1	14.4	27.8	20
SVAF40U9.0	SVAF40B9.0	AV	WV	9.0	10.00	11.10	1	15.4	26.0	10
SVAF40U10	SVAF40B10	AX	WX	10.0	11.10	12.30	1	17.0	23.5	5
SVAF40U11	SVAF40B11	AZ	WZ	11.0	12.20	13.50	1	18.2	22.0	1
SVAF40U12	SVAF40B12	BE	XE	12.0	13.30	14.70	1	19.9	20.1	1

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Maximum Peak Pulse Current	Maximum Reverse Leakage @V_{RWM}
Unidirectional	Bidirectional	UNI	BI	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVAF40U13	SVAF40B13	BG	XG	13.0	14.40	15.90	1	21.5	18.6	1
SVAF40U14	SVAF40B14	BK	XK	14.0	15.60	17.20	1	23.2	17.2	1
SVAF40U15	SVAF40B15	BM	XM	15.0	16.70	18.50	1	24.4	16.4	1
SVAF40U16	SVAF40B16	BP	XP	16.0	17.80	19.70	1	26.0	15.4	1
SVAF40U17	SVAF40B17	BR	XR	17.0	18.90	20.90	1	27.6	14.5	1
SVAF40U18	SVAF40B18	BT	XT	18.0	20.00	22.10	1	29.2	13.7	1
SVAF40U20	SVAF40B20	BV	XV	20.0	22.20	24.50	1	32.4	12.3	1
SVAF40U22	SVAF40B22	BX	XX	22.0	24.40	26.90	1	35.5	11.3	1
SVAF40U24	SVAF40B24	BZ	XZ	24.0	26.70	29.50	1	38.9	10.3	1
SVAF40U26	SVAF40B26	CE	YE	26.0	28.90	31.90	1	42.1	9.5	1
SVAF40U28	SVAF40B28	CG	YG	28.0	31.10	34.40	1	45.4	8.8	1
SVAF40U30	SVAF40B30	CK	YK	30.0	33.30	36.80	1	48.4	8.3	1
SVAF40U33	SVAF40B33	CM	YM	33.0	36.70	40.60	1	53.3	7.5	1
SVAF40U36	SVAF40B36	CP	YP	36.0	40.00	44.20	1	58.1	6.9	1
SVAF40U40	SVAF40B40	CR	YR	40.0	44.40	49.10	1	64.5	6.2	1
SVAF40U43	SVAF40B43	CT	YT	43.0	47.80	52.80	1	69.4	5.8	1
SVAF40U45	SVAF40B45	CV	YV	45.0	50.00	55.30	1	72.7	5.5	1
SVAF40U48	SVAF40B48	CX	YX	48.0	53.30	58.90	1	77.4	5.2	1
SVAF40U51	SVAF40B51	CZ	YZ	51.0	56.70	62.70	1	82.4	4.9	1
SVAF40U54	SVAF40B54	RE	ZE	54.0	60.00	66.30	1	87.1	4.6	1
SVAF40U58	SVAF40B58	RG	ZG	58.0	64.40	71.20	1	93.6	4.3	1
SVAF40U60	SVAF40B60	RK	ZK	60.0	66.70	73.70	1	96.8	4.1	1
SVAF40U64	SVAF40B64	RM	ZM	64.0	71.10	78.60	1	103.0	3.9	1
SVAF40U70	SVAF40B70	RP	ZP	70.0	77.80	86.00	1	113.0	3.5	1
SVAF40U75	SVAF40B75	RR	ZR	75.0	83.30	92.10	1	121.0	3.3	1
SVAF40U78	SVAF40B78	RT	ZT	78.0	86.70	95.80	1	126.0	3.2	1
SVAF40U85	SVAF40B85	RV	ZV	85.0	94.40	104.00	1	137.0	2.9	1
SVAF40U90	SVAF40B90	RX	ZX	90.0	100.00	111.00	1	146.0	2.7	1
SVAF40U100	SVAF40B100	RZ	ZZ	100.0	111.00	123.00	1	162.0	2.5	1
SVAF40U110	SVAF40B110	SE	VE	110.0	122.00	135.00	1	177.0	2.3	1
SVAF40U120	SVAF40B120	SG	VG	120.0	133.00	147.00	1	193.0	2.1	1
SVAF40U130	SVAF40B130	SK	VK	130.0	144.00	159.00	1	209.0	1.9	1
SVAF40U150	SVAF40B150	SM	VM	150.0	167.00	185.00	1	243.0	1.6	1

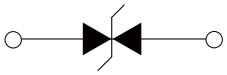
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Maximum Peak Pulse Current	Maximum Reverse Leakage @V_{RWM}
Unidirectional	Bidirectional	UNI	BI	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVAF40U160	SVAF40B160	SP	VP	160.0	178.00	197.00	1	259.0	1.5	1
SVAF40U170	SVAF40B170	SR	VR	170.0	189.00	209.00	1	275.0	1.5	1
SVAF40U180	SVAF40B180	ST	VT	180.0	201.00	222.00	1	292.0	1.4	1
SVAF40U20	SVAF40B200	SV	VV	200.0	224.00	247.00	1	324.0	1.2	1
SVAF40U220	SVAF40B220	SX	VX	220.0	246.00	272.00	1	356.0	1.1	1
SVAF40U250	SVAF40B250	SZ	VZ	250.0	279.00	309.00	1	405.0	1.0	1
SVAF40U300	SVAF40B300	TE	UE	300.0	335.00	371.00	1	486.0	0.8	1
SVAF40U350	SVAF40B350	TG	UG	350.0	391.00	432.00	1	567.0	0.7	1
SVAF40U400	SVAF40B400	TK	UK	400.0	447.00	494.00	1	648.0	0.6	1
SVAF40U440	SVAF40B440	TM	UM	440.0	492.00	543.00	1	713.0	0.6	1

FEATURES

- Low profile package
- Ideal for automated placement
- 600 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance

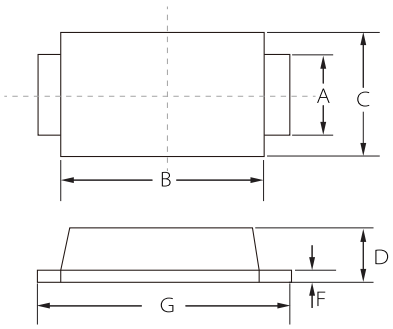


Uni-directionnal



Bi-directionnal

SMAF PACKAGE INFORMATION



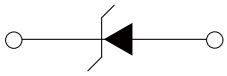
Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.35	1.45	0.053	0.057
B	3.40	3.80	0.134	0.145
C	2.40	2.80	0.094	0.110
D	0.95	1.45	0.037	0.057
F	0.15	0.22	0.006	0.009
G	4.40	4.80	0.173	0.189

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Maximum Peak Pulse Current	Maximum Reverse Leakage @V_{RWM}
Unidirectional	Bidirectional	UNI	BI	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVAF60U5.0	SVAF60B5.0	KE	AE	5.0	6.40	7.00	10	9.2	63.5	200
SVAF60U6.0	SVAF60B6.0	KG	AG	6.0	6.67	7.37	10	10.3	58.3	200
SVAF60U6.5	SVAF60B6.5	KK	AK	6.5	7.22	7.98	10	11.2	53.6	100
SVAF60U7.0	SVAF60B7.0	KM	AM	7.0	7.78	8.60	10	12.0	50.0	80
SVAF60U7.5	SVAF60B7.5	KP	AP	7.5	8.33	9.21	1	12.9	46.6	50
SVAF60U8.0	SVAF60B8.0	KR	AR	8.0	8.89	9.83	1	13.6	44.2	20
SVAF60U8.5	SVAF60B8.5	KT	AT	8.5	9.44	10.40	1	14.4	41.7	10
SVAF60U9.0	SVAF60B9.0	KV	AV	9.0	10.00	11.10	1	15.4	39.0	5
SVAF60U10	SVAF60B10	KX	KX	10.0	11.10	12.30	1	17.0	35.3	2
SVAF60U11	SVAF60B11	KZ	AZ	11.0	12.20	13.50	1	18.2	33.0	1
SVAF60U12	SVAF60B12	LE	BE	12.0	13.30	14.70	1	19.9	30.2	1

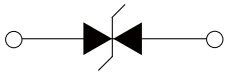
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Maximum Peak Pulse Current	Maximum Reverse Leakage @V_{RWM}
Unidirectional	Bidirectional	UNI	BI	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVAF60U13	SVAF60B13	LG	BG	13.0	14.40	15.90	1	21.5	28.0	1
SVAF60U14	SVAF60B14	LK	BK	14.0	15.60	17.20	1	23.2	25.9	1
SVAF60U15	SVAF60B15	LM	BM	15.0	16.70	18.50	1	24.4	24.6	1
SVAF60U16	SVAF60B16	LP	BP	16.0	17.80	19.70	1	26.0	23.1	1
SVAF60U17	SVAF60B17	LR	BR	17.0	18.90	20.90	1	27.6	21.8	1
SVAF60U18	SVAF60B18	LT	BT	18.0	20.00	22.10	1	29.2	20.6	1
SVAF60U20	SVAF60B20	LV	BV	20.0	22.20	24.50	1	32.4	18.6	1
SVAF60U22	SVAF60B22	LX	BX	22.0	24.40	26.90	1	35.5	16.9	1
SVAF60U24	SVAF60B24	LZ	BZ	24.0	26.70	29.50	1	38.9	15.5	1
SVAF60U26	SVAF60B26	ME	CE	26.0	28.90	31.90	1	42.1	14.3	1
SVAF60U28	SVAF60B28	MG	CG	28.0	31.10	34.40	1	45.4	13.3	1
SVAF60U30	SVAF60B30	MK	CK	30.0	33.30	36.80	1	48.4	12.4	1
SVAF60U33	SVAF60B33	MM	CM	33.0	36.70	40.60	1	53.3	11.3	1
SVAF60U36	SVAF60B36	MP	CP	36.0	40.00	44.20	1	58.1	10.4	1
SVAF60U40	SVAF60B40	MR	CR	40.0	44.40	49.10	1	64.5	9.3	1
SVAF60U43	SVAF60B43	MT	CT	43.0	47.80	52.80	1	69.4	8.7	1
SVAF60U45	SVAF60B45	MV	CV	45.0	50.00	55.30	1	72.7	8.3	1
SVAF60U48	SVAF60B48	MX	CX	48.0	53.30	58.90	1	77.4	7.8	1
SVAF60U51	SVAF60B51	MZ	CZ	51.0	56.70	62.70	1	82.4	7.3	1
SVAF60U54	SVAF60B54	NE	DE	54.0	60.00	66.30	1	87.1	6.9	1
SVAF60U58	SVAF60B58	NG	DG	58.0	64.40	71.20	1	93.6	6.5	1
6SMAF60	SVAF60B60	NK	DK	60.0	66.70	73.70	1	96.8	6.2	1
SVAF60U64	SVAF60B64	NM	DM	64.0	71.10	78.60	1	103.0	5.9	1
SVAF60U70	SVAF60B70	NP	DP	70.0	77.80	86.00	1	113.0	5.3	1
SVAF60U75	SVAF60B75	NR	DR	75.0	83.30	92.10	1	121.0	5.0	1
SVAF60U78	SVAF60B78	NT	DT	78.0	86.70	95.80	1	126.0	4.8	1
SVAF60U85	SVAF60B85	NV	DV	85.0	94.40	104.00	1	137.0	4.4	1
SVAF60U90	SVAF60B90	NX	DX	90.0	100.00	111.00	1	146.0	4.1	1
SVAF60U100	SVAF60B100	NZ	DZ	100.0	111.00	123.00	1	162.0	3.7	1

FEATURES

- Low profile package
- Ideal for automated placement
- 400 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance

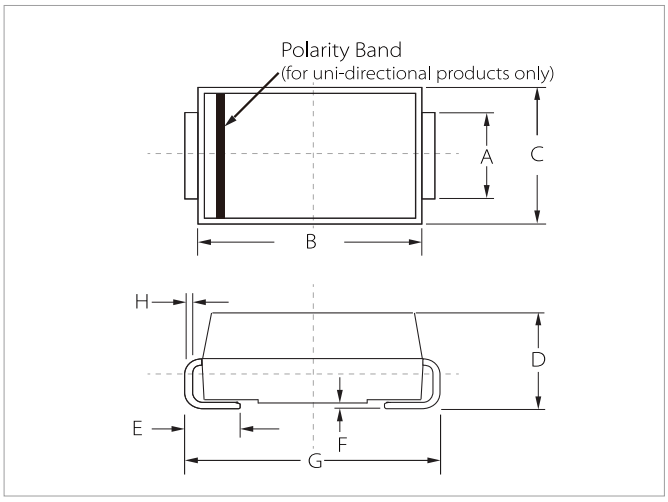


Uni-directionnal



Bi-directionnal

DO-214AC(SMA) PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.20	1.60	0.047	0.063
B	4.20	4.60	0.165	0.181
C	2.60	2.80	0.102	0.110
D	2.10	2.40	0.083	0.094
E	0.76	1.52	0.030	0.060
F	0.02	0.20	0.001	0.008
G	4.85	5.25	0.191	0.207
H	0.15	0.30	0.006	0.012

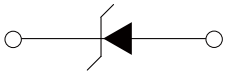
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVA40U5.0	SVA40B5.0	AE	WE	5.0	6.40	7.00	10	9.2	43.5	800
SVA40U6.0	SVA40B6.0	AG	WG	6.0	6.67	7.37	10	10.3	38.8	800
SVA40U6.5	SVA40B6.5	AK	WK	6.5	7.22	7.98	10	11.2	35.7	500
SVA40U7.0	SVA40B7.0	AM	WM	7.0	7.78	8.60	10	12.0	33.3	200
SVA40U7.5	SVA40B7.5	AP	WP	7.5	8.33	9.21	1	12.9	31.0	100
SVA40U8.0	SVA40B8.0	AR	WR	8.0	8.89	9.83	1	13.6	29.4	50
SVA40U8.5	SVA40B8.5	AT	WT	8.5	9.44	10.40	1	14.4	27.8	20
SVA40U9.0	SVA40B9.0	AV	WV	9.0	10.00	11.10	1	15.4	26.0	10
SVA40U10	SVA40B10	AX	WX	10.0	11.10	12.30	1	17.0	23.5	5

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVA40U11	SVA40B11	AZ	WZ	11.0	12.20	13.50	1	18.2	22.0	1
SVA40U12	SVA40B12	BE	XE	12.0	13.30	14.70	1	19.9	20.1	1
SVA40U13	SVA40B13	BG	XG	13.0	14.40	15.90	1	21.5	18.6	1
SVA40U14	SVA40B14	BK	XK	14.0	15.60	17.20	1	23.2	17.2	1
SVA40U15	SVA40B15	BM	XM	15.0	16.70	18.50	1	24.4	16.4	1
SVA40U16	SVA40B16	BP	XP	16.0	17.80	19.70	1	26.0	15.4	1
SVA40U17	SVA40B17	BR	XR	17.0	18.90	20.90	1	27.6	14.5	1
SVA40U18	SVA40B18	BT	XT	18.0	20.00	22.10	1	29.2	13.7	1
SVA40U20	SVA40B20	BV	XV	20.0	22.20	24.50	1	32.4	12.3	1
SVA40U22	SVA40B22	BX	XX	22.0	24.40	26.90	1	35.5	11.3	1
SVA40U24	SVA40B24	BZ	XZ	24.0	26.70	29.50	1	38.9	10.3	1
SVA40U26	SVA40B26	CE	YE	26.0	28.90	31.90	1	42.1	9.5	1
SVA40U28	SVA40B28	CG	YG	28.0	31.10	34.40	1	45.4	8.8	1
SVA40U30	SVA40B30	CK	YK	30.0	33.30	36.80	1	48.4	8.3	1
SVA40U33	SVA40B33	CM	YM	33.0	36.70	40.60	1	53.3	7.5	1
SVA40U36	SVA40B36	CP	YP	36.0	40.00	44.20	1	58.1	6.9	1
SVA40U40	SVA40B40	CR	YR	40.0	44.40	49.10	1	64.5	6.2	1
SVA40U43	SVA40B43	CT	YT	43.0	47.80	52.80	1	69.4	5.8	1
SVA40U45	SVA40B45	CV	YV	45.0	50.00	55.30	1	72.7	5.5	1
SVA40U48	SVA40B48	CX	YX	48.0	53.30	58.90	1	77.4	5.2	1
SVA40U51	SVA40B51	CZ	YZ	51.0	56.70	62.70	1	82.4	4.9	1
SVA40U54	SVA40B54	RE	ZE	54.0	60.00	66.30	1	87.1	4.6	1
SVA40U58	SVA40B58	RG	ZG	58.0	64.40	71.20	1	93.6	4.3	1
SVA40U60	SVA40B60	RK	ZK	60.0	66.70	73.70	1	96.8	4.1	1
SVA40U64	SVA40B64	RM	ZM	64.0	71.10	78.60	1	103.0	3.9	1
SVA40U70	SVA40B70	RP	ZP	70.0	77.80	86.00	1	113.0	3.5	1
SVA40U75	SVA40B75	RR	ZR	75.0	83.30	92.10	1	121.0	3.3	1
SVA40U78	SVA40B78	RT	ZT	78.0	86.70	95.80	1	126.0	3.2	1
SVA40U85	SVA40B85	RV	ZV	85.0	94.40	104.00	1	137.0	2.9	1
SVA40U90	SVA40B90	RX	ZX	90.0	100.00	111.00	1	146.0	2.7	1
SVA40U100	SVA40B100	RZ	ZZ	100.0	111.00	123.00	1	162.0	2.5	1
SVA40U110	SVA40B110	SE	VE	110.0	122.00	135.00	1	177.0	2.3	1
SVA40U120	SVA40B120	SG	VG	120.0	133.00	147.00	1	193.0	2.1	1
SVA40U130	SVA40B130	SK	VK	130.0	144.00	159.00	1	209.0	1.9	1

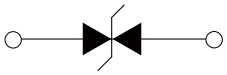
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVA40U150	SVA40B150	SM	VM	150.0	167.00	185.00	1	243.0	1.6	1
SVA40U160	SVA40B160	SP	VP	160.0	178.00	197.00	1	259.0	1.5	1
SVA40U170	SVA40B170	SR	VR	170.0	189.00	209.00	1	275.0	1.5	1
SVA40U180	SVA40B180	ST	VT	180.0	201.00	222.00	1	292.0	1.4	1
SVA40U200	SVA40B200	SV	VV	200.0	224.00	247.00	1	324.0	1.2	1
SVA40U220	SVA40B220	SX	VX	220.0	246.00	272.00	1	356.0	1.1	1
SVA40U250	SVA40B250	SZ	VZ	250.0	279.00	309.00	1	405.0	1.0	1
SVA40U300	SVA40B300	TE	UE	300.0	335.00	371.00	1	486.0	0.8	1
SVA40U350	SVA40B350	TG	UG	350.0	391.00	432.00	1	567.0	0.7	1
SVA40U400	SVA40B400	TK	UK	400.0	447.00	494.00	1	648.0	0.6	1
SVA40U440	SVA40B440	TM	UM	440.0	492.00	543.00	1	713.0	0.6	1

FEATURES

- Low profile package
- Ideal for automated placement
- 600 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance

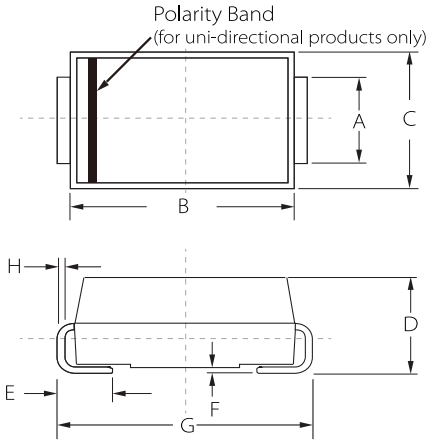


Uni-directionnal



Bi-directionnal

DO-214AC(SMA) PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.20	1.60	0.047	0.063
B	4.20	4.60	0.165	0.181
C	2.60	2.80	0.102	0.110
D	2.10	2.40	0.083	0.094
E	0.76	1.52	0.030	0.060
F	0.02	0.20	0.001	0.008
G	4.85	5.25	0.191	0.207
H	0.15	0.30	0.006	0.012

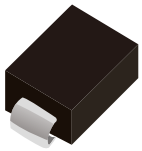
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVA60U5.0	SVA60B5.0	6KE	6AE	5.0	6.40	7.00	10	9.2	65.3	800
SVA60U6.0	SVA60B6.0	6KG	6AG	6.0	6.67	7.37	10	10.3	58.3	800
SVA60U6.5	SVA60B6.5	6KK	6AK	6.5	7.22	7.98	10	11.2	53.6	500
SVA60U7.0	SVA60B7.0	6KM	6AM	7.0	7.78	8.60	10	12.0	50.0	200
SVA60U7.5	SVA60B7.5	6KP	6AP	7.5	8.33	9.21	1	12.9	46.6	100
SVA60U8.0	SVA60B8.0	6KR	6AR	8.0	8.89	9.83	1	13.6	44.2	50
SVA60U8.5	SVA60B8.5	6KT	6AT	8.5	9.44	10.4	1	14.4	41.7	20
SVA60U9.0	SVA60B9.0	6KV	6AV	9.0	10.0	11.1	1	15.4	39.0	10
SVA60U10	SVA60B10	6KX	6AX	10.0	11.1	12.3	1	17.0	35.3	5

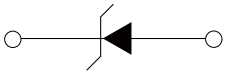
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVA60U11	SVA60B11	6KZ	6AZ	11.0	12.2	13.5	1	18.2	33.0	1
SVA60U12	SVA60B12	6LE	6BE	12.0	13.3	14.7	1	19.9	30.2	1
SVA60U13	SVA60B13	6LG	6BG	13.0	14.4	15.9	1	21.5	28.0	1
SVA60U14	SVA60B14	6LK	6BK	14.0	15.6	17.2	1	23.2	25.9	1
SVA60U15	SVA60B15	6LM	6BM	15.0	16.7	18.5	1	24.4	24.6	1
SVA60U16	SVA60B16	6LP	6BP	16.0	17.8	19.7	1	26.0	23.1	1
SVA60U17	SVA60B17	6LR	6BR	17.0	18.9	20.9	1	27.6	21.8	1
SVA60U18	SVA60B18	6LT	6BT	18.0	20.0	22.1	1	29.2	20.6	1
SVA60U20	SVA60B20	6LV	6BV	20.0	22.2	24.5	1	32.4	18.6	1
SVA60U22	SVA60B22	6LX	6BX	22.0	24.4	26.9	1	35.5	16.9	1
SVA60U24	SVA60B24	6LZ	6BZ	24.0	26.7	29.5	1	38.9	15.5	1
SVA60U26	SVA60B26	6ME	6CE	26.0	28.9	31.9	1	42.1	14.3	1
SVA60U28	SVA60B28	6MG	6CG	28.0	31.1	34.4	1	45.4	13.3	1
SVA60U30	SVA60B30	6MK	6CK	30.0	33.3	36.8	1	48.4	12.4	1
SVA60U33	SVA60B33	6MM	6CM	33.0	36.7	40.6	1	53.3	11.3	1
SVA60U36	SVA60B36	6MP	6CP	36.0	40.0	44.2	1	58.1	10.4	1
SVA60U40	SVA60B40	6MR	6CR	40.0	44.4	49.1	1	64.5	9.3	1
SVA60U43	SVA60B43	6MT	6CT	43.0	47.8	52.8	1	69.4	8.7	1
SVA60U45	SVA60B45	6MV	6CV	45.0	50.0	55.3	1	72.7	8.3	1
SVA60U48	SVA60B48	6MX	6CX	48.0	53.3	58.9	1	77.4	7.8	1
SVA60U51	SVA60B51	6MZ	6CZ	51.0	56.7	62.7	1	82.4	7.3	1
SVA60U54	SVA60B54	6NE	6DE	54.0	60.0	66.3	1	87.1	6.9	1
SVA60U58	SVA60B58	6NG	6DG	58.0	64.4	71.2	1	93.6	6.5	1
SVA60U60	SVA60B60	6NK	6DK	60.0	66.7	73.7	1	96.8	6.2	1
SVA60U64	SVA60B64	6NM	6DM	64.0	71.1	78.6	1	103.0	5.9	1
SVA60U70	SVA60B70	6NP	6DP	70.0	77.8	86.0	1	113.0	5.3	1
SVA60U75	SVA60B75	6NR	6DR	75.0	83.3	92.1	1	121.0	5.0	1
SVA60U78	SVA60B78	6NT	6DT	78.0	86.7	95.8	1	126.0	4.8	1
SVA60U85	SVA60B85	6NV	6DV	85.0	94.4	104.0	1	137.0	4.4	1
SVA60U90	SVA60B90	6NX	6DX	90.0	100.0	111.0	1	146.0	4.1	1
SVA60U100	SVA60B100	6NZ	6DZ	100.0	111.0	123.0	1	162.0	3.7	1
SVA60U110	SVA60B110	6PE	6EE	110.0	122.0	135.0	1	177.0	3.4	1
SVA60U120	SVA60B120	6PG	6EG	120.0	133.0	147.0	1	193.0	3.1	1
SVA60U130	SVA60B130	6PK	6EK	130.0	144.0	159.0	1	209.0	2.9	1

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVA60U150	SVA60U150	6PM	6EM	150.0	167.0	185.0	1	243.0	2.5	1
SVA60U160	SVA60U160	6PP	6EP	160.0	178.0	197.0	1	259.0	2.3	1
SVA60U170	SVA60U170	6PR	6ER	170.0	189.0	209.0	1	275.0	2.2	1
SVA60U180	SVA60U180	6PT	6ET	180.0	201.0	222.0	1	292.0	2.1	1
SVA60U190	SVA60U190	6PA	6EC	190.0	209.0	243.0	1	308.0	2.0	1
SVA60U200	SVA60U200	6PV	6EV	200.0	224.0	247.0	1	324.0	1.9	1
SVA60U210	SVA60U210	6PB	6ED	210.0	231.0	269.0	1	340.0	1.8	1
SVA60U220	SVA60U220	6PX	6EX	220.0	246.0	272.0	1	356.0	1.7	1
SVA60U250	SVA60U250	6PZ	6EZ	250.0	279.0	309.0	1	405.0	1.5	1
SVA60U300	SVA60U300	6QE	6FE	300.0	335.0	371.0	1	486.0	1.3	1
SVA60U350	SVA60U350	6QG	6FG	350.0	391.0	432.0	1	567.0	1.1	1
SVA60U400	SVA60U400	6QK	6FK	400.0	447.0	494.0	1	648.0	0.9	1
SVA60U440	SVA60U440	6QM	6FM	440.0	492.0	543.0	1	713.0	0.8	1

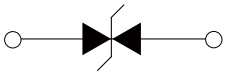
FEATURES

- Low profile package
- Ideal for automated placement
- 600 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance



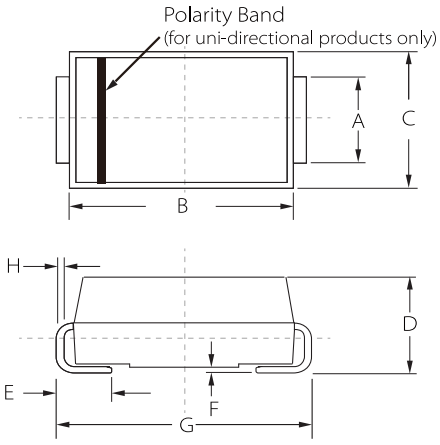


Uni-directionnal



Bi-directionnal

DO-214AA(SMB) PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.80	2.20	0.071	0.087
B	4.30	4.70	0.170	0.185
C	3.40	3.90	0.134	0.153
D	2.15	2.55	0.085	0.100
E	1.00	1.50	0.039	0.059
F	0.02	0.20	0.001	0.008
G	5.10	5.50	0.200	0.216
H	0.15	0.30	0.006	0.012

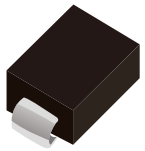
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVB60U3.3	SVB60B3.3	3V3	3V3C	3.3	4.60	5.60	100	8.2	50.0	2000
SVB60U5.0	SVB60B5.0	KE	AE	5.0	6.40	7.00	10	9.2	65.3	800
SVB60U6.0	SVB60B6.0	KG	AG	6.0	6.67	7.37	10	10.3	58.3	800
SVB60U6.5	SVB60B6.5	KK	AK	6.5	7.22	7.98	10	11.2	53.6	500
SVB60U7.0	SVB60B7.0	KM	AM	7.0	7.78	8.60	10	12.0	50.0	200
SVB60U7.5	SVB60B7.5	KP	AP	7.5	8.33	9.21	1	12.9	46.6	100
SVB60U8.0	SVB60B8.0	KR	AR	8.0	8.89	9.83	1	13.6	44.2	50
SVB60U8.5	SVB60B8.5	KT	AT	8.5	9.44	10.4	1	14.4	41.7	20
SVB60U9.0	SVB60B9.0	KV	AV	9.0	10.0	11.1	1	15.4	39.0	10

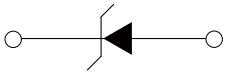
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVB60U10	SVB60B10	KX	AX	10.0	11.1	12.3	1	17.0	35.3	5
SVB60U11	SVB60B11	KZ	AZ	11.0	12.2	13.5	1	18.2	33.0	1
SVB60U12	SVB60B12	LE	BE	12.0	13.3	14.7	1	19.9	30.2	1
SVB60U13	SVB60B13	LG	BG	13.0	14.4	15.9	1	21.5	28.0	1
SVB60U14	SVB60B14	LK	BK	14.0	15.6	17.2	1	23.2	25.9	1
SVB60U15	SVB60B15	LM	BM	15.0	16.7	18.5	1	24.4	24.6	1
SVB60U16	SVB60B16	LP	BP	16.0	17.8	19.7	1	26.0	23.1	1
SVB60U17	SVB60B17	LR	BR	17.0	18.9	20.9	1	27.6	21.8	1
SVB60U18	SVB60B18	LT	BT	18.0	20.0	22.1	1	29.2	20.6	1
SVB60U20	SVB60B20	LV	BV	20.0	22.2	24.5	1	32.4	18.6	1
SVB60U22	SVB60B22	LX	BX	22.0	24.4	26.9	1	35.5	16.9	1
SVB60U24	SVB60B24	LZ	BZ	24.0	26.7	29.5	1	38.9	15.5	1
SVB60U26	SVB60B26	ME	CE	26.0	28.9	31.9	1	42.1	14.3	1
SVB60U28	SVB60B28	MG	CG	28.0	31.1	34.4	1	45.4	13.3	1
SVB60U30	SVB60B30	MK	CK	30.0	33.3	36.8	1	48.4	12.4	1
SVB60U33	SVB60B33	MM	CM	33.0	36.7	40.6	1	53.3	11.3	1
SVB60U36	SVB60B36	MP	CP	36.0	40.0	44.2	1	58.1	10.4	1
SVB60U40	SVB60B40	MR	CR	40.0	44.4	49.1	1	64.5	9.3	1
SVB60U43	SVB60B43	MT	CT	43.0	47.8	52.8	1	69.4	8.7	1
SVB60U45	SVB60B45	MV	CV	45.0	50.0	55.3	1	72.7	8.3	1
SVB60U48	SVB60B48	MX	CX	48.0	53.3	58.9	1	77.4	7.8	1
SVB60U51	SVB60B51	MZ	CZ	51.0	56.7	62.7	1	82.4	7.3	1
SVB60U54	SVB60B54	NE	DE	54.0	60.0	66.3	1	87.1	6.9	1
SVB60U58	SVB60B58	NG	DG	58.0	64.4	71.2	1	93.6	6.5	1
SVB60U60	SVB60B60	NK	DK	60.0	66.7	73.7	1	96.8	6.2	1
SVB60U64	SVB60B64	NM	DM	64.0	71.1	78.6	1	103.0	5.9	1
SVB60U70	SVB60B70	NP	DP	70.0	77.8	86.0	1	113.0	5.3	1
SVB60U75	SVB60B75	NR	DR	75.0	83.3	92.1	1	121.0	5.0	1
SVB60U78	SVB60B78	NT	DT	78.0	86.7	95.8	1	126.0	4.8	1
SVB60U85	SVB60B85	NV	DV	85.0	94.4	104.0	1	137.0	4.4	1
SVB60U90	SVB60B90	NX	DX	90.0	100.0	111.0	1	146.0	4.1	1
SVB60U100	SVB60B100	NZ	DZ	100.0	111.0	123.0	1	162.0	3.7	1
SVB60U110	SVB60B110	PE	EE	110.0	122.0	135.0	1	177.0	3.4	1
SVB60U120	SVB60B120	PG	EG	120.0	133.0	147.0	1	193.0	3.1	1

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVB60U130	SVB60B130	PK	EK	130.0	144.0	159.0	1	209.0	2.9	1
SVB60U150	SVB60B150	PM	EM	150.0	167.0	185.0	1	243.0	2.5	1
SVB60U160	SVB60B160	PP	EP	160.0	178.0	197.0	1	259.0	2.3	1
SVB60U170	SVB60B170	PR	ER	170.0	189.0	209.0	1	275.0	2.2	1
SVB60U180	SVB60B180	PT	ET	180.0	201.0	222.0	1	292.0	2.1	1
SVB60U200	SVB60B200	PV	EV	200.0	224.0	247.0	1	324.0	1.9	1
SVB60U220	SVB60B220	PX	EX	220.0	246.0	272.0	1	356.0	1.7	1
SVB60U250	SVB60B250	PZ	EZ	250.0	279.0	309.0	1	405.0	1.5	1
SVB60U300	SVB60B300	QE	FE	300.0	335.0	371.0	1	486.0	1.3	1
SVB60U350	SVB60B350	QG	FG	350.0	391.0	432.0	1	567.0	1.1	1
SVB60U400	SVB60B400	QK	FK	400.0	447.0	494.0	1	648.0	0.9	1
SVB60U440	SVB60B440	QM	FM	440.0	492.0	543.0	1	713.0	0.9	1
SVB60U480	SVB60B480	QP	FP	480.0	536.0	593.0	1	750.0	0.8	1
SVB60U500	SVB60B500	QV	FV	500.0	558.0	618.0	1	762.0	0.8	1
SVB60U510	SVB60B510	QX	FX	510.0	570.0	630.0	1	762.0	0.8	1
SVB60U520	SVB60B520	QR	FR	520.0	578.0	640.0	1	762.0	0.8	1
SVB60U550	SVB60B550	QT	FT	550.0	615.0	680.0	1	860.0	0.7	1

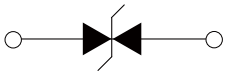
FEATURES

- Low profile package
- Ideal for automated placement
- 1000Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance



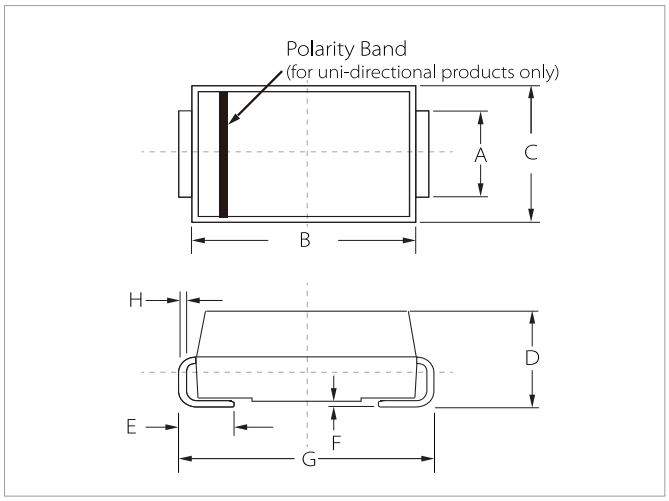


Uni-directionnal



Bi-directionnal

DO-214AA(SMB) PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.80	2.20	0.071	0.087
B	4.30	4.70	0.170	0.185
C	3.40	3.90	0.134	0.153
D	2.15	2.55	0.085	0.100
E	1.00	1.50	0.039	0.059
F	0.02	0.20	0.001	0.008
G	5.10	5.50	0.200	0.216
H	0.15	0.30	0.006	0.012

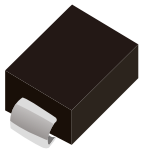
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVB100U5.0	SVB100B5.0	TKE	TAE	5.0	6.40	7.00	10	9.2	108.7	800
SVB100U6.0	SVB100B6.0	TKG	TAG	6.0	6.67	7.37	10	10.3	97.1	800
SVB100U6.5	SVB100B6.5	TKK	TAK	6.5	7.22	7.98	10	11.2	89.3	500
SVB100U7.0	SVB100B7.0	TKM	TAM	7.0	7.78	8.60	10	12.0	83.3	200
SVB100U7.5	SVB100B7.5	TKP	TAP	7.5	8.33	9.21	1	12.9	77.5	100
SVB100U8.0	SVB100B8.0	TKR	TAR	8.0	8.89	9.83	1	13.6	73.5	50
SVB100U8.5	SVB100B8.5	TKT	TAT	8.5	9.44	10.4	1	14.4	69.4	20
SVB100U9.0	SVB100B9.0	TKV	TAV	9.0	10.0	11.1	1	15.4	64.9	10
SVB100U10	SVB100B10	TKX	TAX	10.0	11.1	12.3	1	17.0	58.8	5

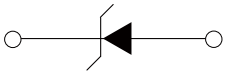
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVB100U11	SVB100B11	TKZ	TAZ	11.0	12.2	13.5	1	18.2	54.9	1
SVB100U12	SVB100B12	TLE	TBE	12.0	13.3	14.7	1	19.9	50.3	1
SVB100U13	SVB100B13	TLG	TBG	13.0	14.4	15.9	1	21.5	46.5	1
SVB100U14	SVB100B14	TLK	TBK	14.0	15.6	17.2	1	23.2	43.1	1
SVB100U15	SVB100B15	TLM	TBM	15.0	16.7	18.5	1	24.4	41.0	1
SVB100U16	SVB100B16	TLP	TBP	16.0	17.8	19.7	1	26.0	38.5	1
SVB100U17	SVB100B17	TLR	TBR	17.0	18.9	20.9	1	27.6	36.2	1
SVB100U18	SVB100B18	TLT	TBT	18.0	20.0	22.1	1	29.2	34.2	1
SVB100U20	SVB100B20	TLV	TBV	20.0	22.2	24.5	1	32.4	30.9	1
SVB100U22	SVB100B22	TLX	TBX	22.0	24.4	26.9	1	35.5	28.2	1
SVB100U24	SVB100B24	TLZ	TBZ	24.0	26.7	29.5	1	38.9	25.7	1
SVB100U26	SVB100B26	TME	TCE	26.0	28.9	31.9	1	42.1	23.8	1
SVB100U28	SVB100B28	TMG	TCG	28.0	31.1	34.4	1	45.4	22.0	1
SVB100U30	SVB100B30	TMK	TCK	30.0	33.3	36.8	1	48.4	20.7	1
SVB100U33	SVB100B33	TMM	TCM	33.0	36.7	40.6	1	53.3	18.8	1
SVB100U36	SVB100B36	TMP	TCP	36.0	40.0	44.2	1	58.1	17.2	1
SVB100U40	SVB100B40	TMR	TCR	40.0	44.4	49.1	1	64.5	15.5	1
SVB100U43	SVB100B43	TMT	TCT	43.0	47.8	52.8	1	69.4	14.4	1
SVB100U45	SVB100B45	TMV	TCV	45.0	50.0	55.3	1	72.7	13.8	1
SVB100U48	SVB100B48	TMX	TCX	48.0	53.5	58.9	1	77.4	12.9	1
SVB100U51	SVB100B51	TMZ	TCZ	51.0	56.7	62.7	1	82.4	12.1	1
SVB100U54	SVB100B54	TNE	TDE	54.0	60.0	66.3	1	87.1	11.5	1
SVB100U58	SVB100B58	TNG	TDG	58.0	64.4	71.2	1	93.6	10.7	1
SVB100U60	SVB100B60	TNK	TDK	60.0	66.7	73.7	1	96.8	10.3	1
SVB100U64	SVB100B64	TNM	TDM	64.0	71.7	78.6	1	103.0	9.7	1
SVB100U70	SVB100B70	TNP	TDP	70.0	77.8	86.0	1	113.0	8.8	1
SVB100U75	SVB100B75	TNR	TDR	75.0	83.8	92.1	1	121.0	8.3	1
SVB100U78	SVB100B78	TNT	TDT	78.0	86.7	95.8	1	126.0	7.9	1
SVB100U85	SVB100B85	TNV	TDV	85.0	94.4	104.0	1	137.0	7.3	1
SVB100U90	SVB100B90	TNX	TDX	90.0	100.0	111.0	1	146.0	6.8	1
SVB100U100	SVB100B100	TNZ	TDZ	100.0	111.0	123.0	1	162.0	6.2	1
SVB100U110	SVB100B110	TPE	TEE	110.0	122.0	135.0	1	177.0	5.6	1
SVB100U120	SVB100B120	TPG	TEG	120.0	133.0	147.0	1	193.0	5.2	1
SVB100U130	SVB100B130	TPK	TEK	130.0	144.0	159.0	1	209.0	4.8	1

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVB100U150	SVB100B150	TPM	TEM	150.0	167.0	185.0	1	243.0	4.1	1
SVB100U160	SVB100B160	TPP	TEP	160.0	178.0	197.0	1	259.0	3.9	1
SVB100U170	SVB100B170	TPR	TER	170.0	189.0	209.0	1	275.0	3.6	1
SVB100U180	SVB100B180	TPT	TET	180.0	201.0	222.0	1	292.0	3.4	1
SVB100U190	SVB100B190	TPA	TEC	190.0	209.0	243.0	1	308.0	3.2	1
SVB100U200	SVB100B200	TPV	TEV	200.0	224.0	247.0	1	324.0	3.1	1
SVB100U210	SVB100B210	TPB	TED	210.0	231.0	269.0	1	340.0	2.9	1
SVB100U220	SVB100B220	TPX	TEX	220.0	246.0	272.0	1	356.0	2.8	1
SVB100U250	SVB100B250	TPZ	TEZ	250.0	279.0	309.0	1	405.0	2.5	1
SVB100U300	SVB100B300	TQE	TFE	300.0	335.0	371.0	1	486.0	2.1	1
SVB100U350	SVB100B350	TQG	TFG	350.0	391.0	432.0	1	567.0	1.8	1
SVB100U400	SVB100B400	TQK	TFK	400.0	447.0	494.0	1	648.0	1.5	1
SVB100U440	SVB100B440	TQM	TFM	440.0	492.0	543.0	1	713.0	1.4	1

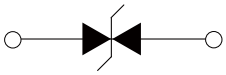
FEATURES

- Low profile package
- Ideal for automated placement
- 1500 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance



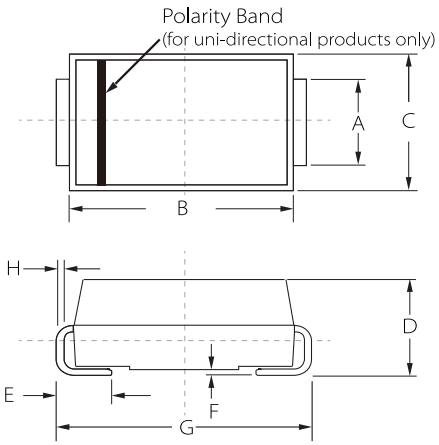


Uni-directionnal



Bi-directionnal

DO-214AA(SMB) PACKAGE INFORMATION



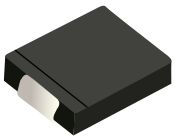
Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.80	2.20	0.071	0.087
B	4.30	4.70	0.170	0.185
C	3.40	3.90	0.134	0.153
D	2.15	2.55	0.085	0.100
E	1.00	1.50	0.039	0.059
F	0.02	0.20	0.001	0.008
G	5.10	5.50	0.200	0.216
H	0.15	0.30	0.006	0.012

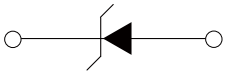
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVB150U11	SVB150B11	GDZ	BDZ	11.0	12.2	13.5	10	18.2	82.4	800
SVB150U12	SVB150B12	GEE	BEE	12.0	13.3	14.7	10	19.9	75.4	800
SVB150U13	SVB150B13	GEG	BEG	13.0	14.4	15.9	10	21.5	69.8	500
SVB150U14	SVB150B14	GEK	BEK	14.0	15.6	17.2	10	23.2	64.7	200
SVB150U15	SVB150B15	GEM	BEM	15.0	16.7	18.5	1	24.4	61.5	100
SVB150U16	SVB150B16	GEP	BEP	16.0	17.8	19.7	1	26.0	57.7	50
SVB150U17	SVB150B17	GER	BER	17.0	18.9	20.9	1	27.6	54.3	20
SVB150U18	SVB150B18	GET	BET	18.0	20.0	22.1	1	29.2	51.4	10
SVB150U20	SVB150B20	GEV	BEV	20.0	22.2	24.5	1	32.4	46.3	5

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVB150U22	SVB150B22	GEX	BEX	22.0	24.4	26.9	1	35.5	42.3	1
SVB150U24	SVB150B24	GEZ	BEZ	24.0	26.7	29.5	1	38.9	38.6	1
SVB150U26	SVB150B26	GFE	BFE	26.0	28.9	31.9	1	42.1	35.6	1
SVB150U28	SVB150B28	GFG	BFG	28.0	31.1	34.4	1	45.4	33.0	1
SVB150UJ30	SVB150BJ30	GFK	BFK	30.0	33.3	36.8	1	48.4	31.0	1
SVB150U33	SVB150B33	GFM	BFM	33.0	36.7	40.6	1	53.3	28.1	1
SVB150UJ36	SVB150BJ36	GFP	BFP	36.0	40.0	44.2	1	58.1	25.8	1
SVB150U40	SVB150B40	GFR	BFR	40.0	44.4	49.1	1	64.5	23.3	1
SVB150U43	SVB150B43	GFT	BFT	43.0	47.8	52.8	1	69.4	21.6	1
SVB150U45	SVB150B45	GFV	BFV	45.0	50.0	55.3	1	72.7	20.6	1
SVB150U48	SVB150B48	GFX	BFX	48.0	53.3	58.9	1	77.4	19.4	1
SVB150U51	SVB150B51	GFZ	BFZ	51.0	56.7	62.7	1	82.4	18.2	1
SVB150U54	SVB150B54	GGE	BGE	54.0	60.0	66.3	1	87.1	17.2	1
SVB150U58	SVB150B58	GGG	BGG	58.0	64.4	71.2	1	93.6	16.0	1
SVB150U60	SVB150U60	GGK	BGK	60.0	66.7	73.7	1	96.8	15.5	1
SVB150U64	SVB150B64	GGM	BGM	64.0	71.1	78.6	1	103.0	14.6	1
SVB150U70	SVB150B70	GGP	BGP	70.0	77.8	86.0	1	113.0	13.3	1
SVB150U75	SVB150B75	GGR	BGR	75.0	83.3	92.1	1	121.0	12.4	1
SVB150U78	SVB150B78	GGT	BGT	78.0	86.7	95.8	1	126.0	11.9	1
SVB150U85	SVB150B85	GGV	BGV	85.0	94.4	104.0	1	137.0	10.9	1
SVB150U90	SVB150B90	GGX	BGX	90.0	100.0	111.0	1	146.0	10.3	1
SVB150U100	SVB150B100	GGZ	BGZ	100.0	111.0	123.0	1	162.0	9.3	1
SVB150U110	SVB150B110	GHE	BHE	110.0	122.0	135.0	1	177.0	8.5	1
SVB150U120	SVB150B120	GHG	BHG	120.0	133.0	147.0	1	193.0	7.8	1
SVB150U130	SVB150B130	GHK	BHK	130.0	144.0	159.0	1	209.0	7.2	1
SVB150U150	SVB150B150	GHM	BHM	150.0	167.0	185.0	1	243.0	6.2	1
SVB150U160	SVB150B160	GHP	BHP	160.0	178.0	197.0	1	259.0	5.8	1
SVB150U170	SVB150B170	GHR	BHR	170.0	189.0	209.0	1	275.0	5.5	1

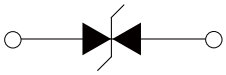
FEATURES

- Low profile package
- Ideal for automated placement
- 1500 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance



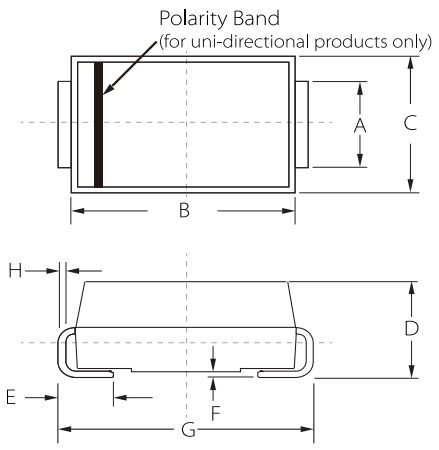


Uni-directionnal



Bi-directionnal

DO-214AB(SMC) PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	2.80	3.20	0.110	0.126
B	6.60	7.20	0.260	0.283
C	5.70	6.10	0.224	0.240
D	2.15	2.75	0.085	0.108
E	1.00	1.60	0.039	0.063
F	0.02	0.20	0.000	0.008
G	7.60	8.00	0.299	0.315
H	0.15	0.30	0.006	0.012

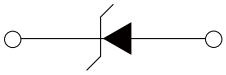
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVCJ150U5.0	SVCJ150B5.0	GDE	BDE	5.0	6.40	7.00	10	9.2	163.0	800
SVCJ150U6.0	SVCJ150B6.0	GDG	BDG	6.0	6.67	7.37	10	10.3	145.7	800
SVCJ150U6.5	SVCJ150B6.5	GDK	BDK	6.5	7.22	7.98	10	11.2	134.0	500
SVCJ150U7.0	SVCJ150B7.0	GDM	BDM	7.0	7.78	8.60	10	12.0	125.0	200
SVCJ150U7.5	SVCJ150B7.5	GDP	BDP	7.5	8.33	9.21	1	12.9	116.3	100
SVCJ150U8.0	SVCJ150B8.0	GDR	BDR	8.0	8.89	9.83	1	13.6	110.3	50
SVCJ150U8.5	SVCJ150B8.5	GDT	BDT	8.5	9.44	10.40	1	14.4	104.2	20
SVCJ150U9.0	SVCJ150B9.0	GDV	BDV	9.0	10.00	11.10	1	15.4	97.4	10
SVCJ150U10	SVCJ150B10	GDX	BDX	10.0	11.10	12.30	1	17.0	88.3	5

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVC150U11	SVC150B11	GDZ	BDZ	11.0	12.20	13.50	1	18.2	82.5	1
SVC150U12	SVC150B12	GEE	BEE	12.0	13.30	14.70	1	19.9	75.4	1
SVC150U13	SVC150B13	GEG	BEG	13.0	14.40	15.90	1	21.5	69.8	1
SVC150U14	SVC150B14	GEK	BEK	14.0	15.60	17.20	1	23.2	64.7	1
SVC150U15	SVC150B15	GEM	BEM	15.0	16.70	18.50	1	24.4	61.5	1
SVC150U16	SVC150B16	GEP	BEP	16.0	17.80	19.70	1	26.0	57.7	1
SVC150U17	SVC150B17	GER	BER	17.0	18.90	20.90	1	27.6	54.4	1
SVC150U18	SVC150B18	GET	BET	18.0	20.00	22.10	1	29.2	51.4	1
SVC150U20	SVC150B20	GEV	BEV	20.0	22.20	24.50	1	32.4	46.3	1
SVC150U22	SVC150B22	GEX	BEX	22.0	24.40	26.90	1	35.5	42.3	1
SVC150U24	SVC150B24	GEZ	BEZ	24.0	26.70	29.50	1	38.9	38.6	1
SVC150U26	SVC150B26	GFE	BFE	26.0	28.90	31.90	1	42.1	35.7	1
SVC150U28	SVC150B28	GFG	BFG	28.0	31.10	34.40	1	45.4	33.1	1
SVC150U30	SVC150B30	GFK	BFK	30.0	33.30	36.80	1	48.4	31.0	1
SVC150U33	SVC150B33	GFM	BFM	33.0	36.70	40.60	1	53.3	28.2	1
SVC150U36	SVC150B36	GFP	BFP	36.0	40.00	44.20	1	58.1	25.9	1
SVC150U40	SVC150B40	GFR	BFR	40.0	44.40	49.10	1	64.5	23.3	1
SVC150U43	SVC150B43	GFT	BFT	43.0	47.80	52.80	1	69.4	21.7	1
SVC150U45	SVC150B45	GFV	BFV	45.0	50.00	55.30	1	72.7	20.6	1
SVC150U48	SVC150B48	GFX	BFX	48.0	53.30	58.90	1	77.4	19.4	1
SVC150U51	SVC150B51	GFZ	BFZ	51.0	56.70	62.70	1	82.4	18.2	1
SVC150U54	SVC150B54	GGE	BGE	54.0	60.00	66.30	1	87.1	17.3	1
SVC150U58	SVC150B58	GGG	BGG	58.0	64.40	71.20	1	93.6	16.1	1
SVC150U60	SVC150B60	GGK	BGK	60.0	66.7	73.7	1	96.8	15.5	1
SVC150U64	SVC150B64	GGM	BGM	64.0	71.1	78.6	1	103.0	14.6	1
SVC150U70	SVC150B70	GGP	BGP	70.0	77.8	86.0	1	113.0	13.3	1
SVC150U75	SVC150B75	GGR	BGR	75.0	83.3	92.1	1	121.0	12.4	1
SVC150U78	SVC150B78	GGT	BGT	78.0	86.7	95.8	1	126.0	11.9	1
SVC150U85	SVC150B85	GGV	BGV	85.0	94.4	104.0	1	137.0	11.0	1
SVC150U90	SVC150B90	GGX	BGX	90.0	100.0	111.0	1	146.0	10.3	1
SVC150U100	SVC150B100	GGZ	BGZ	100.0	111.0	123.0	1	162.0	9.3	1
SVC150U110	SVC150B110	GHE	BHE	110.0	122.0	135.0	1	177.0	8.5	1
SVC150U120	SVC150B120	GHG	BHG	120.0	133.0	147.0	1	193.0	7.8	1
SVC150U130	SVC150B130	GHK	BHK	130.0	144.0	159.0	1	209.0	7.2	1

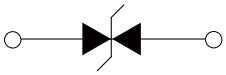
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVC150U150	SVC150B150	GHM	BHM	150.0	167.0	185.0	1	243.0	6.2	1
SVC150U160	SVC150B160	GHP	BHP	160.0	178.0	197.0	1	259.0	5.8	1
SVC150U170	SVC150B170	GHR	BHR	170.0	189.0	209.0	1	275.0	5.5	1
SVC150U180	SVC150B180	GHT	BHT	180.0	201.0	222.0	1	292.0	5.1	1
SVC150U200	SVC150B200	GHV	BHV	200.0	224.0	247.0	1	324.0	4.6	1
SVC150U220	SVC150B220	GHX	BHX	220.0	246.0	272.0	1	356.0	4.2	1
SVC150U250	SVC150B250	GHZ	BHZ	250.0	279.0	309.0	1	405.0	3.7	1
SVC150U300	SVC150B300	GJE	BJE	300.0	335.0	371.0	1	486.0	3.1	1
SVC150U350	SVC150B350	GJG	BJG	350.0	391.0	432.0	1	567.0	2.6	1
SVC150U400	SVC150B400	GJK	BJK	400.0	447.0	494.0	1	648.0	2.3	1
SVC150U440	SVC150B440	GJM	BJM	440.0	492.0	543.0	1	713.0	2.1	1
SVC150U480	SVC150B480	GJP	BJP	480.0	536.0	593.0	1	750.0	2.0	1
SVC150U520	SVC150B520	GJR	BJR	520.0	578.0	640.0	1	762.0	2.0	1
SVC150U550	SVC150B550	GJT	BJT	550.0	615.0	680.0	1	860.0	1.7	1

FEATURES

- Low profile package
- Ideal for automated placement
- 3000 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance

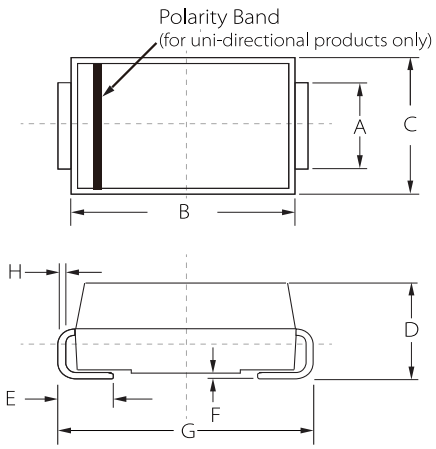


Uni-directionnal



Bi-directionnal

DO-214AB(SMC) PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	2.80	3.20	0.110	0.126
B	6.60	7.20	0.260	0.283
C	5.70	6.10	0.224	0.240
D	2.15	2.75	0.085	0.108
E	1.00	1.60	0.039	0.063
F	0.02	0.20	0.000	0.008
G	7.60	8.00	0.299	0.315
H	0.15	0.30	0.006	0.012

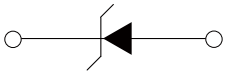
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVC300U5.0	SVC300B5.0	RDE	DDE	5.0	6.4	7.0	10	9.2	326.1	800
SVC300U6.0	SVC300B6.0	RDG	DDG	6.0	6.67	7.37	10	10.3	291.3	800
SVC300U6.5	SVC300B6.5	RDK	DDK	6.5	7.22	7.98	10	11.2	267.9	500
SVC300U7.0	SVC300B7.0	PDM	DDM	7.0	7.78	8.60	10	12.0	250.0	200
SVC300U7.5	SVC300B7.5	PDP	DDP	7.5	8.33	9.21	1	12.9	232.6	100
SVC300U8.0	SVC300B8.0	PDR	DDR	8.0	8.89	9.83	1	13.6	220.6	50
SVC300U8.5	SVC300B8.5	PDT	DDT	8.5	9.44	10.4	1	14.4	208.3	20
SVC300U9.0	SVC300B9.0	PDV	DDV	9.0	10.0	11.1	1	15.4	194.8	10
SVC300U10	SVC300B10	PDX	DDX	10.0	11.1	12.3	1	17.0	176.5	5

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVC300U11	SVC300B11	PDZ	DDZ	11.0	12.2	13.5	1	18.2	164.8	2
SVC300U12	SVC300B12	PEE	DEE	12.0	13.3	14.7	1	19.9	150.8	2
SVC300U13	SVC300B13	PEG	DEG	13.0	14.4	15.9	1	21.5	139.5	2
SVC300U14	SVC300B14	PEK	DEK	14.0	15.6	17.2	1	23.2	129.3	2
SVC300U15	SVC300B15	PEM	DEM	15.0	16.7	18.5	1	24.4	123.0	2
SVC300U16	SVC300B16	PEP	DEP	16.0	17.8	19.7	1	26.0	115.4	2
SVC300U17	SVC300B17	PER	DER	17.0	18.9	20.9	1	27.6	108.7	2
SVC300U18	SVC300B18	PET	DET	18.0	20.0	22.1	1	29.2	102.7	2
SVC300U20	SVC300B20	PEV	DEV	20.0	22.2	24.5	1	32.4	92.6	2
SVC300U22	SVC300B22	PEX	DEX	22.0	24.4	26.9	1	35.5	84.5	2
SVC300U24	SVC300B24	PEZ	DEZ	24.0	26.7	29.5	1	38.9	77.1	2
SVC300U26	SVC300B26	PFE	DFE	26.0	28.9	31.9	1	42.1	71.3	2
SVC300U28	SVC300B28	PFG	DFG	28.0	31.1	34.4	1	45.4	66.1	2
SVC300U30	SVC300B30	PFK	DFK	30.0	33.3	36.8	1	48.4	62.0	2
SVC300U33	SVC300B33	PFM	DFM	33.0	36.7	40.6	1	53.3	56.3	2
SVC300U36	SVC300B36	PFP	DFP	36.0	40.0	44.2	1	58.1	51.6	2
SVC300U40	SVC300B40	PFR	DFR	40.0	44.4	49.1	1	64.5	46.5	2
SVC300U43	SVC300B43	PFT	DFT	43.0	47.8	52.8	1	69.4	43.2	2
SVC300U45	SVC300B45	PFV	DFV	45.0	50.0	55.3	1	72.7	41.3	2
SVC300U48	SVC300B48	PFX	DFX	48.0	53.3	58.9	1	77.4	38.8	2
SVC300U51	SVC300B51	PFZ	DFZ	51.0	56.7	62.7	1	82.4	36.4	2
SVC300U54	SVC300B54	RGE	DGE	54.0	60.0	66.3	1	87.1	34.4	2
SVC300U58	SVC300B58	PGG	DGG	58.0	64.4	71.2	1	93.6	32.1	2
SVC300U60	SVC300B60	PGK	DGK	60.0	66.7	73.7	1	96.8	31.0	2
SVC300U64	SVC300B64	PGM	DGM	64.0	71.1	78.6	1	103.0	29.1	2
SVC300U70	SVC300B70	PGP	DGP	70.0	77.8	86.0	1	113.0	26.5	2
SVC300U75	SVC300B75	PGR	DGR	75.0	83.3	92.1	1	121.0	24.8	2
SVC300U78	SVC300B78	PGT	DGT	78.0	86.7	95.8	1	126.0	23.8	2
SVC300U85	SVC300B85	PGV	DGV	85.0	94.4	104.0	1	137.0	21.9	2
SVC300U90	SVC300B90	PGX	DGX	90.0	100.0	111.0	1	146.0	20.5	2
SVC300U100	SVC300B100	PGZ	DGZ	100.0	111.0	123.0	1	162.0	18.5	2
SVC300U110	SVC300B110	PHE	DHE	110.0	122.0	135.0	1	177.0	16.9	2
SVC300U120	SVC300B120	PHG	DHG	120.0	133.0	147.0	1	193.0	15.5	2
SVC300U130	SVC300B130	PHK	DHK	130.0	144.0	159.0	1	209.0	14.4	2

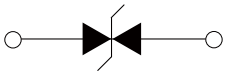
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVC300U150	SVC300B150	PHM	DHM	150.0	167.0	185.0	1	243.0	12.3	2
SVC300U160	SVC300B160	PHP	DHP	160.0	178.0	197.0	1	259.0	11.6	2
SVC300U170	SVC300B170	PHR	DHR	170.0	189.0	209.0	1	275.0	10.9	2
SVC300U180	SVC300B180	PHT	DHT	180.0	201.0	222.0	1	292.0	10.3	2
SVC300U190	SVC300B190	PHU	DHU	190.0	209.0	243.0	1	308.0	9.7	2
SVC300U200	SVC300B200	PHV	DHV	200.0	224.0	247.0	1	324.0	9.3	2
SVC300U210	SVC300B210	PHW	DHW	210.0	231.0	269.0	1	340.0	8.8	2
SVC300U220	SVC300B220	PKE	DKE	220.0	246.0	272.0	1	356.0	8.4	2
SVC300U250	SVC300B250	PKG	DKG	250.0	279.0	309.0	1	405.0	7.4	2
SVC300U300	SVC300B300	PKK	DKK	300.0	335.0	371.0	1	486.0	6.2	2
SVC300U350	SVC300B350	PKM	DKM	350.0	391.0	432.0	1	567.0	5.3	2
SVC300U400	SVC300B400	PKP	DKP	400.0	447.0	494.0	1	648.0	4.6	2
SVC300U440	SVC300B440	PKR	DKR	440.0	492.0	543.0	1	713.0	4.2	2

FEATURES

- Low profile package
- Ideal for automated placement
- 5000 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance

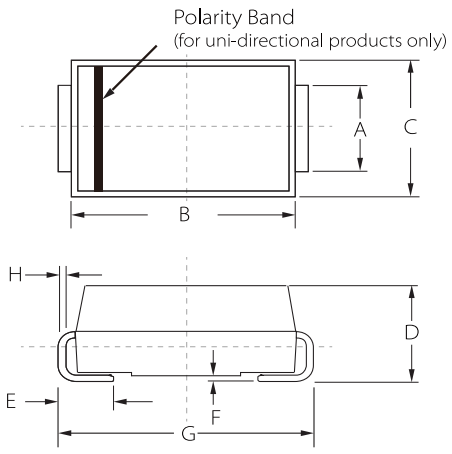


Uni-directionnal



Bi-directionnal

DO-214AB(SMC) PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	2.80	3.20	0.110	0.126
B	6.60	7.20	0.260	0.283
C	5.70	6.10	0.224	0.240
D	2.15	2.75	0.085	0.108
E	1.00	1.60	0.039	0.063
F	0.02	0.20	0.000	0.008
G	7.60	8.00	0.299	0.315
H	0.15	0.30	0.006	0.012

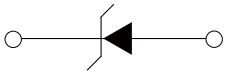
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVC500U11	SVC500B11	5PEN	5BEN	11.0	12.20	13.50	10	18.2	275.0	800
SVC500U12	SVC500B12	5PEP	5BEP	12.0	13.20	14.70	10	19.9	252.0	800
SVC500U13	SVC500B13	5PEQ	5BEQ	13.0	14.40	15.90	10	21.5	233.0	500
SVC500U14	SVC500B14	5PER	5BER	14.0	15.60	17.20	10	23.2	216.0	200
SVC500U15	SVC500B15	5PES	5BES	15.0	16.70	18.50	1	24.4	205.0	100
SVC500U16	SVC500B16	5PET	5BET	16.0	17.80	19.70	1	26.0	193.0	50
SVC500U17	SVC500B17	5PEU	5BEU	17.0	18.90	20.90	1	27.6	181.0	20
SVC500U18	SVC500B18	5PEV	5BEV	18.0	20.00	22.10	1	29.2	172.0	10
SVC500U20	SVC500B20	5PEW	5BEW	20.0	22.20	24.50	1	32.4	155.0	5

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVC500U22	SVC500B22	5PEX	5BEX	22.0	24.40	26.90	1	35.5	141.0	5
SVC500U24	SVC500B24	5PEZ	5BEZ	24.0	26.70	29.50	1	38.9	129.0	5
SVC500U26	SVC500B26	5PFE	5BFE	26.0	28.90	31.90	1	42.1	119.0	5
SVC500U28	SVC500B28	5PFG	5BFG	28.0	31.10	34.40	1	45.4	110.0	5
SVC500U30	SVC500B30	5PFK	5BFK	30.0	33.30	36.80	1	48.4	103.0	5
SVC500U33	SVC500B33	5PFM	5BFM	33.0	36.70	40.60	1	53.3	93.9	5
SVC500U36	SVC500B36	5PFP	5BFP	36.0	40.00	44.20	1	58.1	86.1	5
SVC500U40	SVC500B40	5PFR	5BFR	40.0	44.40	49.10	1	64.5	77.6	5
SVC500U43	SVC500B43	5PFT	5BFT	43.0	47.80	52.80	1	69.4	72.1	5
SVC500U45	SVC500B45	5PFV	5BFV	45.0	50.00	55.30	1	72.7	68.8	5
SVC500U48	SVC500B48	5PFX	5BFX	48.0	53.30	58.90	1	77.4	64.7	5
SVC500U51	SVC500B51	5PFZ	5BFZ	51.0	56.70	62.70	1	82.4	60.7	5
SVC500U54	SVC500B54	5PGE	5BGE	54.0	60.00	66.30	1	87.1	57.5	5
SVC500U58	SVC500B58	5PGG	5BGG	58.0	64.40	71.20	1	93.6	53.5	5
SVC500U60	SVC500B60	5PGK	5BGK	60.0	66.70	73.70	1	96.8	51.7	5
SVC500U64	SVC500B64	5PGM	5BGM	64.0	71.10	78.60	1	103.0	48.6	5
SVC500U70	SVC500B70	5PGP	5BGP	70.0	77.80	86.00	1	113.0	44.3	5
SVC500U75	SVC500B75	5PGR	5BGR	75.0	83.30	92.10	1	121.0	41.4	5
SVC500U78	SVC500B78	5PGT	5BGT	78.0	86.70	95.80	1	126.0	39.7	5
SVC500U85	SVC500B85	5PGV	5BGV	85.0	94.40	104.00	1	137.0	36.5	5
SVC500U90	SVC500B90	5PGX	5BGX	90.0	100.00	111.00	1	146.0	34.3	5
SVC500U100	SVC500B100	5PGZ	5BGZ	100.0	111.00	123.00	1	162.0	30.9	5
SVC500U110	SVC500B110	5PHE	5BHE	110.0	122.00	135.00	1	177.0	28.3	5
SVC500U120	SVC500B120	5PHG	5BHG	120.0	133.00	147.00	1	193.0	26.0	5
SVC500U130	SVC500B130	5PHK	5BHK	130.0	144.00	159.00	1	209.0	24.0	5
SVC500U150	SVC500B150	5PHM	5BHM	150.0	155.00	171.00	1	226.8	22.3	5
SVC500U160	SVC500B160	5PHP	5BHP	160.0	167.00	185.00	1	243.0	20.8	5
SVC500U170	SVC500B170	5PHR	5BHR	170.0	178.00	197.00	1	259.0	19.5	5
SVC500U180	SVC500B180	5PHT	5BHT	180.0	189.00	209.00	1	275.0	18.4	5
SVC500U190	SVC500B190	5PHV	5DHV	190.0	200.00	220.00	1	291.6	17.3	5
SVC500U200	SVC500B200	5PHX	5DHX	200.0	211.00	232.00	1	307.8	16.4	5
SVC500U210	SVC500B210	5PHZ	5DHZ	210.0	224.00	247.00	1	324.0	15.6	5
SVC500U220	SVC500B220	5PIE	5DIE	220.0	246.00	272.00	1	356.0	14.2	5
SVC500U250	SVC500B250	5PIG	5DIG	250.0	279.00	309.00	1	405.0	12.5	5

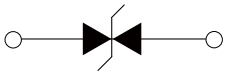
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVC500U300	SVC500B300	5PIK	5DIK	300.0	335.00	371.00	1	486.0	10.4	5
SVC500U350	SVC500B350	5PIM	5DIM	350.0	391.00	432.00	1	567.0	8.9	5
SVC500U400	SVC500B400	5PIP	5DIP	400.0	447.00	494.00	1	648.0	7.8	5

FEATURES

- Low profile package
- Ideal for automated placement
- 8000 watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance

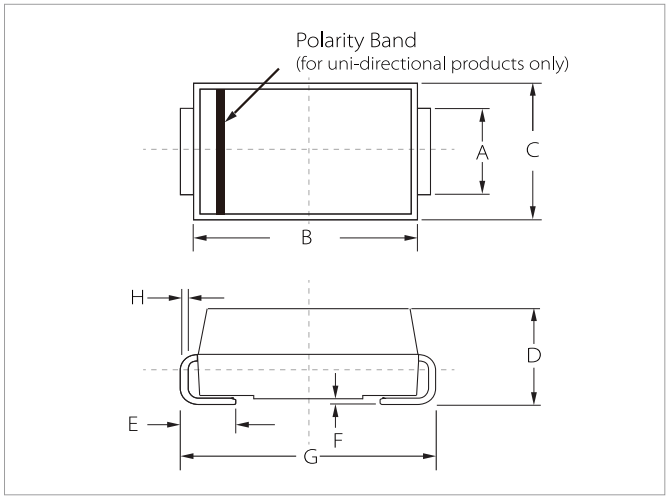


Uni-directionnal



Bi-directionnal

DO-214AB(SMC) PACKAGE INFORMATION



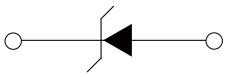
Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	2.80	3.20	0.110	0.126
B	6.60	7.20	0.260	0.283
C	5.70	6.10	0.224	0.240
D	2.15	2.75	0.085	0.108
E	1.00	1.60	0.039	0.063
F	0.02	0.20	0.000	0.008
G	7.60	8.00	0.299	0.315
H	0.15	0.30	0.006	0.012

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVC800U14	SVC800B14	8PER	8BER	14.0	15.60	17.20	10	23.2	348.28	200
SVC800U15	SVC800B15	8PES	8BES	15.0	16.70	18.50	1	24.4	331.15	100
SVC800U16	SVC800B16	8PET	8BET	16.0	17.80	19.70	1	26.0	310.77	50
SVC800U17	SVC800B17	8PEU	8BEU	17.0	18.90	20.90	1	27.6	292.75	20
SVC800U18	SVC800B18	8PEV	8BEV	18.0	20.00	22.10	1	29.2	276.71	10
SVC800U20	SVC800B20	8PEW	8BEW	20.0	22.20	24.50	1	32.4	249.38	5
SVC800U22	SVC800B22	8PEX	8BEX	22.0	24.40	26.90	1	35.5	227.61	5
SVC800U24	SVC800B24	8PEZ	8BEZ	24.0	26.70	29.50	1	38.9	207.71	5
SVC800U26	SVC800B26	8PFE	8BFE	26.0	28.90	31.90	1	42.1	191.92	5

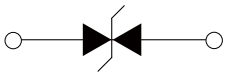
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
SVC800U28	SVC800B28	8PFG	8BFG	28.0	31.10	34.40	1	45.4	177.97	5
SVC800U30	SVC800B30	8PFK	8BFK	30.0	33.30	36.80	1	48.4	166.94	5
SVC800U33	SVC800B33	8PFM	8BFM	33.0	36.70	40.60	1	53.3	151.59	5
SVC800U36	SVC800B36	8PFP	8BFP	36.0	40.00	44.20	1	58.1	139.07	5
SVC800U40	SVC800B40	8PFR	8BFR	40.0	44.40	49.10	1	64.5	125.27	5
SVC800U43	SVC800B43	8PFT	8BFT	43.0	47.80	52.80	1	69.4	116.43	5
SVC800U45	SVC800B45	8PFV	8BFV	45.0	50.00	55.30	1	72.7	111.14	5
SVC800U48	SVC800B48	8PFX	8BFX	48.0	53.30	58.90	1	77.4	104.39	5
SVC800U51	SVC800B51	8PFZ	8BFZ	51.0	56.70	62.70	1	82.4	98.06	5
SVC800U54	SVC800B54	8PGE	8BGE	54.0	60.00	66.30	1	87.1	92.77	5
SVC800U58	SVC800B58	8PGG	8BGG	58.0	64.40	71.20	1	93.6	86.32	5
SVC800U60	SVC800B60	8PGK	8BGK	60.0	66.70	73.70	1	96.8	83.47	5
SVC800U64	SVC800B64	8PGM	8BGM	64.0	71.10	78.60	1	103.0	78.45	5
SVC800U70	SVC800B70	8PGP	8BGP	70.0	77.80	86.00	1	113.0	71.50	5
SVC800U75	SVC800B75	8PGR	8BGR	75.0	83.30	92.10	1	121.0	66.78	5
SVC800U78	SVC800B78	8PGT	8BGT	78.0	86.70	95.80	1	126.0	64.13	5
SVC800U85	SVC800B85	8PGV	8BGV	85.0	94.40	104.00	1	137.0	58.98	5

FEATURES

- Plastic package has underwriters laboratory
- Flammability classification 94V-0
- Glass passivated junction
- 3000W peak pulse power capability on 10/1000μs waveform
- Excellent clamping capability
- Low incremental surge resistance
- Fast response time:typically less than 1.0ps from 0 Volts to V_{BR}
- Typical IR less than 2μA above VBR min＞12V
- Molded plastic over glass passivated junction
- Polarity: Color band denoted cathode except bidirec
- Mounting Positing:Any

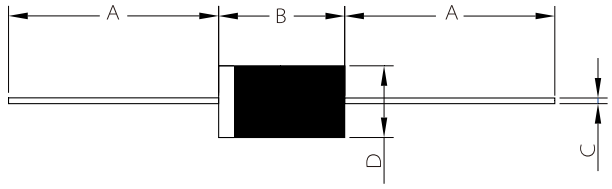


Uni-directionnal



Bi-directionnal

P600 PACKAGE INFORMATION



R6

Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	25.40	-	1.000	-
B	8.60	9.40	0.339	0.370
C	1.20	1.40	0.047	0.055
D	8.60	9.10	0.339	0.358

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
3KP5.0A	3KP5.0CA	3KP5.0A	3KP5.0CA	5.0	6.40	7.00	10	9.2	326.1	150
3KP6.0A	3KP6.0CA	3KP6.0A	3KP6.0CA	6.0	6.67	7.37	10	10.3	291.3	100
3KP6.5A	3KP6.5CA	3KP6.5A	3KP6.5CA	6.5	7.22	7.98	10	11.2	267.9	50
3KP7.0A	3KP7.0CA	3KP7.0A	3KP7.0CA	7.0	7.78	8.60	10	12.0	250.0	20
3KP7.5A	3KP7.5CA	3KP7.5A	3KP7.5CA	7.5	8.33	9.21	1	12.9	232.6	10
3KP8.0A	3KP8.0CA	3KP8.0A	3KP8.0CA	8.0	8.89	9.83	1	13.6	220.6	10
3KP8.5A	3KP8.5CA	3KP8.5A	3KP8.5CA	8.5	9.44	10.40	1	14.4	208.3	10
3KP9.0A	3KP9.0CA	3KP9.0A	3KP9.0CA	9.0	10.00	11.10	1	15.4	194.8	10

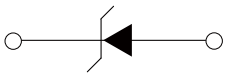
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_t(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
3KP10A	3KP10CA	3KP10A	3KP10CA	10.0	11.10	12.30	1	17.0	176.5	5
3KP12A	3KP12CA	3KP12A	3KP12CA	12.0	13.30	14.70	1	19.9	150.8	2
3KP13A	3KP13CA	3KP13A	3KP13CA	13.0	14.40	15.90	1	21.5	139.5	2
3KP14A	3KP14CA	3KP14A	3KP14CA	14.0	15.60	17.20	1	23.2	129.3	1
3KP15A	3KP15CA	3KP15A	3KP15CA	15.0	16.70	18.50	1	24.4	123.0	1
3KP16A	3KP16CA	3KP16A	3KP16CA	16.0	17.80	19.70	1	26.0	115.4	1
3KP17A	3KP17CA	3KP17A	3KP17CA	17.0	18.90	20.90	1	27.6	108.7	1
3KP18A	3KP18CA	3KP18A	3KP18CA	18.0	20.00	22.10	1	29.2	102.7	1
3KP20A	3KP20CA	3KP20A	3KP20CA	20.0	22.20	24.50	1	32.4	92.6	1
3KP24A	3KP24CA	3KP24A	3KP24CA	24.0	26.70	29.50	1	38.9	77.1	1
3KP26A	3KP26CA	3KP26A	3KP26CA	26.0	28.90	31.90	1	42.1	71.3	1
3KP28A	3KP28CA	3KP28A	3KP28CA	28.0	31.10	34.40	1	45.4	66.1	1
3KP30A	3KP30CA	3KP30A	3KP30CA	30.0	33.30	36.80	1	48.4	62.0	1
3KP33A	3KP33CA	3KP33A	3KP33CA	33.0	36.70	40.60	1	53.3	56.3	1
3KP36A	3KP36CA	3KP36A	3KP36CA	36.0	40.00	44.20	1	58.1	51.6	1
3KP40A	3KP40CA	3KP40A	3KP40CA	40.0	44.40	49.10	1	64.5	46.5	1
3KP43A	3KP43CA	3KP43A	3KP43CA	43.0	47.80	52.80	1	69.4	43.2	1
3KP45A	3KP45CA	3KP45A	3KP45CA	45.0	50.00	55.30	1	72.7	41.3	1
3KP48A	3KP48CA	3KP48A	3KP48CA	48.0	53.30	58.90	1	77.4	38.8	1
3KP51A	3KP51CA	3KP51A	3KP51CA	51	56.70	62.70	1	82.4	36.4	1
3KP54A	3KP54CA	3KP54A	3KP54CA	54	60.00	66.30	1	87.1	34.4	1
3KP58A	3KP58CA	3KP58A	3KP58CA	58	64.40	71.20	1	93.6	32.1	1
3KP60A	3KP60CA	3KP60A	3KP60CA	60	66.70	73.70	1	96.8	31.0	1
3KP64A	3KP64CA	3KP64A	3KP64CA	64	71.10	78.60	1	103.0	29.1	1
3KP70A	3KP70CA	3KP70A	3KP70CA	70	77.80	86.00	1	113.0	26.5	1
3KP75A	3KP75CA	3KP75A	3KP75CA	75	83.30	92.10	1	121.0	24.8	1
3KP78A	3KP78CA	3KP78A	3KP78CA	78	86.70	95.80	1	126.0	23.8	1

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_t(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
3KP85A	3KP85CA	3KP85A	3KP85CA	85	94.40	104.0	1	137.0	21.9	1
3KP90A	3KP90CA	3KP90A	3KP90CA	90	100.0	111.0	1	146.0	20.5	1
3KP100A	3KP100CA	3KP100A	3KP100CA	100	111.0	111.0	1	162.0	18.5	1
3KP120A	3KP120CA	3KP120A	3KP120CA	120	133.0	135.0	1	193.0	15.5	1
3KP150A	3KP150CA	3KP150A	3KP150CA	150	167.0	159.0	1	243.0	12.3	1
3KP160A	3KP160CA	3KP160A	3KP160CA	160	178.0	185.0	1	259.0	11.6	1
3KP170A	3KP170CA	3KP170A	3KP170CA	170	189.0	197.0	1	275.0	10.9	1
3KP180A	3KP180CA	3KP180A	3KP180CA	180	201.0	209.0	1	292.0	10.3	1
3KP190A	3KP190CA	3KP190A	3KP190CA	190	211.0	233.0	1	310.0	9.7	1
3KP200A	3KP200CA	3KP200A	3KP200CA	200	224.0	247.0	1	329.2	9.3	1
3KP210A	3KP210CA	3KP210A	3KP210CA	210	237.0	263.0	1	349.5	8.8	1
3KP220A	3KP220CA	3KP220A	3KP220CA	220	246.0	272.0	1	371.1	8.4	1

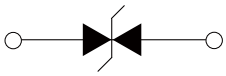
Note:
①.Surge waveform:10/1000μs
V_R: Stand-off voltage – Maximum voltage that can be applied
V_{BR}: Breakdown voltage
V_C: Clamping voltage -- Peak voltage measured across the suppressor at a specified I_{PP}
I_R: Reverse leakage current

FEATURES

- Plastic package has underwriters laboratory
- Flammability classification 94V-0
- Glass passivated junction
- 5000W peak pulse power capability on 10/1000μs waveform
- Excellent clamping capability
- Low incremental surge resistance
- Fast response time:typically less than 1.0ps from 0 Volts to V_{BR}
- Typical IR less than 2μA above 10V
- Molded plastic over glass passivated junction
- Polarity: Color band denoted cathode except bidirec
- Mounting Positing:Any

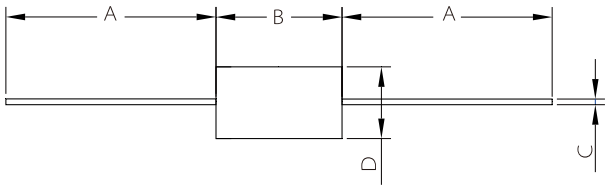


Uni-directionnal



Bi-directionnal

PACKAGE INFORMATION



R6

Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	25.40	-	1.000	-
B	8.60	9.40	0.339	0.370
C	1.20	1.40	0.047	0.055
D	8.60	9.10	0.339	0.358

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
5KP5.0A	5KP5.0CA	5KP5.0A	5KP5.0CA	5.0	6.40	7.00	50	9.2	554.3	5000
5KP6.0A	5KP6.0CA	5KP6.0A	5KP6.0CA	6.0	6.67	7.37	50	10.3	495.1	5000
5KP6.5A	5KP6.5CA	5KP6.5A	5KP6.5CA	6.5	7.22	7.98	50	11.2	455.4	2000
5KP7.0A	5KP7.0CA	5KP7.0A	5KP7.0CA	7.0	7.78	8.60	50	12.0	425.0	1000
5KP7.5A	5KP7.5CA	5KP7.5A	5KP7.5CA	7.5	8.33	9.21	5	12.9	395.3	250
5KP8.0A	5KP8.0CA	5KP8.0A	5KP8.0CA	8.0	8.89	9.83	5	13.6	375.0	150
5KP8.5A	5KP8.5CA	5KP8.5A	5KP8.5CA	8.5	9.44	10.40	5	14.4	354.2	50
5KP9.0A	5KP9.0CA	5KP9.0A	5KP9.0CA	9.0	10.0	11.1	5	15.4	331.2	20

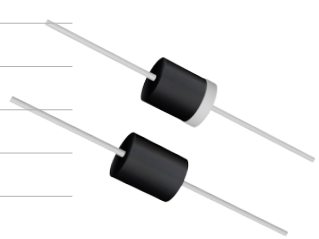
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
5KP10A	5KP10CA	5KP10A	5KP10CA	10.0	11.10	12.30	5	17.0	300.0	15
5KP11A	5KP11CA	5KP11A	5KP11CA	11.0	12.2	13.5	5	18.2	280.2	2
5KP12A	5KP12CA	5KP12A	5KP12CA	12.0	13.30	14.70	5	19.9	256.3	2
5KP13A	5KP13CA	5KP13A	5KP13CA	13.0	14.4	15.9	5	21.5	237.2	2
5KP14A	5KP14CA	5KP14A	5KP14CA	14.0	15.6	17.2	5	23.2	219.8	2
5KP15A	5KP15CA	5KP15A	5KP15CA	15.0	16.7	18.5	5	24.4	209.0	2
5KP16A	5KP16CA	5KP16A	5KP16CA	16.0	17.8	19.7	5	26.0	196.2	2
5KP17A	5KP17CA	5KP17A	5KP17CA	17.0	18.9	20.9	5	27.6	184.8	2
5KP18A	5KP18CA	5KP18A	5KP18CA	18.0	20.0	22.1	5	29.2	174.7	2
5KP20A	5KP20CA	5KP20A	5KP20CA	20.0	22.2	24.5	5	32.4	157.4	2
5KP22A	5KP22CA	5KP22A	5KP22CA	22.0	24.4	26.9	5	35.5	143.7	2
5KP24A	5KP24CA	5KP24A	5KP24CA	24.0	26.7	29.5	5	38.9	131.1	2
5KP26A	5KP26CA	5KP26A	5KP26CA	26.0	28.9	31.9	5	42.1	121.1	2
5KP28A	5KP28CA	5KP28A	5KP28CA	28.0	31.1	34.4	5	45.4	112.3	2
5KP30A	5KP30CA	5KP30A	5KP30CA	30.0	33.3	36.8	5	48.4	105.4	2
5KP33A	5KP33CA	5KP33A	5KP33CA	33.0	36.7	40.6	5	53.3	95.7	2
5KP36A	5KP36CA	5KP36A	5KP36CA	36.0	40.0	44.2	5	58.1	87.8	2
5KP40A	5KP40CA	5KP40A	5KP40CA	40.0	44.4	49.1	5	64.5	79.1	2
5KP43A	5KP43CA	5KP43A	5KP43CA	43.0	47.8	52.8	5	69.4	73.5	2
5KP45A	5KP45CA	5KP45A	5KP45CA	45.0	50.0	55.3	5	72.7	70.2	2
5KP48A	5KP48CA	5KP48A	5KP48CA	48.0	53.3	58.9	5	77.4	65.9	2
5KP51A	5KP51CA	5KP51A	5KP51CA	51.0	56.7	62.7	5	82.4	61.9	2
5KP54A	5KP54CA	5KP54A	5KP54CA	54.0	60.0	66.3	5	87.1	58.6	2
5KP58A	5KP58CA	5KP58A	5KP58CA	58.0	64.4	71.2	5	93.6	54.5	2
5KP60A	5KP60CA	5KP60A	5KP60CA	60.0	66.7	73.7	5	96.8	52.7	2
5KP64A	5KP64CA	5KP64A	5KP64CA	64.0	71.1	78.6	5	103.0	49.5	2
5KP70A	5KP70CA	5KP70A	5KP70CA	70.0	77.8	86.0	5	113.0	45.1	2

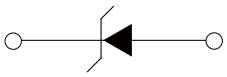
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
5KP75A	5KP75CA	5KP75A	5KP75CA	75.0	83.3	92.1	5	121.0	42.1	2
5KP78A	5KP78CA	5KP78A	5KP78CA	78.0	86.7	95.8	5	126.0	40.5	2
5KP85A	5KP85CA	5KP85A	5KP85CA	85.0	94.4	104.0	5	137.0	37.2	2
5KP90A	5KP90CA	5KP90A	5KP90CA	90.0	100.0	111.0	5	146.0	34.9	2
5KP100A	5KP100CA	5KP100A	5KP100CA	100.0	111.0	123.0	5	162.0	31.5	2
5KP110A	5KP110CA	5KP110A	5KP110CA	110.0	122.0	135.0	5	177.0	28.8	2
5KP120A	5KP120CA	5KP120A	5KP120CA	120.0	133.0	147.0	5	193.0	26.4	2
5KP130A	5KP130CA	5KP130A	5KP130CA	130.0	1440	159.0	5	209.0	24.4	2
5KP150A	5KP150CA	5KP150A	5KP150CA	150.0	167.0	185.0	5	243.0	21.0	2
5KP160A	5KP160CA	5KP160A	5KP160CA	160.0	178.0	197.0	5	259.0	19.7	2
5KP170A	5KP170CA	5KP170A	5KP170CA	170.0	189.0	209.0	5	275.0	18.5	2
5KP180A	5KP180CA	5KP180A	5KP180CA	180.0	200.0	221.0	5	289.0	17.5	2
5KP190A	5KP190CA	5KP190A	5KP190CA	190.0	211.0	233.0	5	310.0	16.5	2
5KP200A	5KP200CA	5KP200A	5KP200CA	200.0	222.0	246.0	5	329.2	15.5	2
5KP210A	5KP210CA	5KP210A	5KP210CA	210.0	233.0	258.0	5	349.5	14.6	2
5KP220A	5KP220CA	5KP220A	5KP220CA	220.0	244.0	270.0	5	371.1	13.7	2
5KP250A	5KP250CA	5KP250A	5KP250CA	250.0	277.0	306.0	5	425.0	12.0	2

Note:
①.Surge waveform:10/1000μs
V_R: Stand-off voltage – Maximum voltage that can be applied
V_{BR}: Breakdown voltage
V_C: Clamping voltage -- Peak voltage measured across the suppressor at a specified I_{PP}
I_R: Reverse leakage current

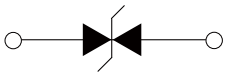
FEATURES

- Low incremental surge resistance.
- Excellent clamping capability.
- Typical IR less than 2μA above 30V.
- Color band denoted cathode except bidirectional.
- Plastic package has under writers laboratory flammability 94V-0.
- 15000W peak pulse power capability at 10/1000μs waveform.
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260℃.
- Terminal: solder plated, solderable per J-STD-002.
- Fast response time: typically less than 1.0ps from 0V to V_{BR} min.
- IEC61000-4-2 (ESD) ±30kV (air), ±30kV (contact).



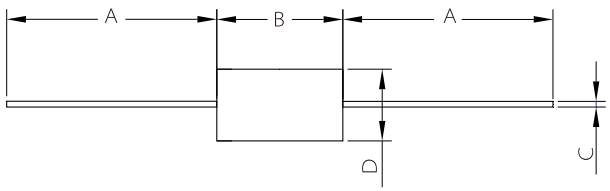


Uni-directionnal



Bi-directionnal

P600 PACKAGE INFORMATION



R6

Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	25.40	-	1.000	-
B	8.60	9.40	0.339	0.370
C	1.20	1.40	0.047	0.055
D	8.60	9.10	0.339	0.358

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
15KPA17A	15KPA17CA	15KPA17A	15KPA17CA	17.0	5000	18.90	20.90	50	29.3	515.4
15KPA18A	15KPA18CA	15KPA18A	15KPA18CA	18.0	5000	20.00	22.10	50	30.9	488.7
15KPA20A	15KPA20CA	15KPA20A	15KPA20CA	20.0	1500	22.20	24.50	20	34.3	440.2
15KPA22A	15KPA22CA	15KPA22A	15KPA22CA	22.0	500	24.40	26.90	10	37.1	407.0
15KPA24A	15KPA24CA	15KPA24A	15KPA24CA	24.0	150	26.70	29.50	5	40.7	371.0
15KPA26A	15KPA26CA	15KPA26A	15KPA26CA	26.0	50	28.90	31.90	5	44.0	343.2
15KPA28A	15KPA28CA	15KPA28A	15KPA28CA	28.0	25	31.10	34.40	5	47.5	317.9
15KPA30A	15KPA30CA	15KPA30A	15KPA30CA	30.0	15	33.30	36.80	5	50.7	297.8
15KPA33A	15KPA33CA	15KPA33A	15KPA33CA	33.0	2	36.70	40.60	5	54.7	276.1

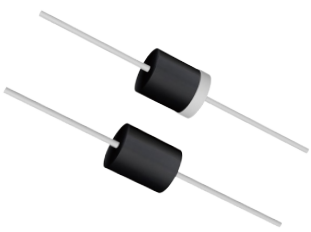
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
15KPA36A	15KPA36CA	15KPA36A	15KPA36CA	36.0	2	40.00	44.20	5	59.8	252.5
15KPA40A	15KPA40CA	15KPA40A	15KPA40CA	40.0	2	44.40	49.10	5	65.8	229.5
15KPA43A	15KPA43CA	15KPA43A	15KPA43CA	43.0	2	47.80	52.80	5	69.8	216.3
15KPA45A	15KPA45CA	15KPA45A	15KPA45CA	45.0	2	50.00	55.30	5	72.8	207.4
15KPA48A	15KPA48CA	15KPA48A	15KPA48CA	48.0	2	53.30	58.90	5	77.7	194.3
15KPA51A	15KPA51CA	15KPA51A	15KPA51CA	51.0	2	56.70	62.70	5	82.9	182.1
15KPA54A	15KPA54CA	15KPA54A	15KPA54CA	54.0	2	60.00	66.30	5	87.7	172.2
15KPA58A	15KPA58CA	15KPA58A	15KPA58CA	58.0	2	64.40	71.20	5	93.8	161.0
15KPA60A	15KPA60CA	15KPA60A	15KPA60CA	60.0	2	66.70	73.70	5	97.4	155.0
15KPA64A	15KPA64CA	15KPA64A	15KPA64CA	64.0	2	71.10	78.60	5	104.2	144.9
15KPA70A	15KPA70CA	15KPA70A	15KPA70CA	70.0	2	77.80	86.00	5	113.6	132.9
15KPA75A	15KPA75CA	15KPA75A	15KPA75CA	75.0	2	83.30	92.10	5	122.0	123.8
15KPA78A	15KPA78CA	15KPA78A	15KPA78CA	78.0	2	86.70	95.80	5	126.1	119.7
15KPA85A	15KPA85CA	15KPA85A	15KPA85CA	85.0	2	94.40	104.0	5	137.6	109.7
15KPA90A	15KPA90CA	15KPA90A	15KPA90CA	90.0	2	100.0	111.0	5	145.6	103.7
15KPA100A	15KPA100CA	15KPA100A	15KPA100CA	100.0	2	111.0	123.0	5	161.3	93.6
15KPA110A	15KPA110CA	15KPA110A	15KPA110CA	110.0	2	122.0	135.0	5	178.6	84.5
15KPA120A	15KPA120CA	15KPA120A	15KPA120CA	120.0	2	133.0	147.0	5	192.3	78.5
15KPA130A	15KPA130CA	15KPA130A	15KPA130CA	130.0	2	144.0	159.0	5	208.3	72.5
15KPA150A	15KPA150CA	15KPA150A	15KPA150CA	150.0	2	167.0	185.0	5	241.9	62.4
15KPA160A	15KPA160CA	15KPA160A	15KPA160CA	160.0	2	178.0	197.0	5	258.6	58.4
15KPA170A	15KPA170CA	15KPA170A	15KPA170CA	170.0	2	189.0	209.0	5	272.7	55.4
15KPA180A	15KPA180CA	15KPA180A	15KPA180CA	180.0	2	201.0	222.0	5	288.5	52.3
15KPA200A	15KPA200CA	15KPA200A	15KPA200CA	200.0	2	224.0	247.0	5	319.1	47.3
15KPA220A	15KPA220CA	15KPA220A	15KPA220CA	220.0	2	246.0	272.0	5	352.5	42.8
15KPA240A	15KPA240CA	15KPA240A	15KPA240CA	240.0	2	268.0	292.0	5	384.6	39.3
15KPA260A	15KPA260CA	15KPA260A	15KPA260CA	260.0	2	289.0	317.0	5	416.7	36.2

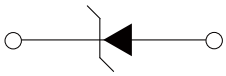
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
15KPA280A	15KPA280CA	15KPA280A	15KPA280CA	280.0	2	311.0	341.0	5	454.5	33.2

Note:
①.Surge waveform:10/1000μs
V_R: Stand-off voltage – Maximum voltage that can be applied
V_{BR}: Breakdown voltage
V_C: Clamping voltage -- Peak voltage measured across the suppressor at a specified I_{PP}
I_R: Reverse leakage current

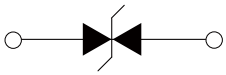
FEATURES

- Low incremental surge resistance.
- Excellent clamping capability.
- Typical I_R less than 2μA above 40V.
- Color band denoted cathode except bidirectional.
- Plastic package has under writers laboratory flammability 94V-0.
- 20000W peak pulse power capability at 10/1000μs waveform.
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260°C
- Terminal: solder plated, solderable per J-STD-002.
- Fast response time: typically less than 1.0ps from 0V to V_{BR} min.
- IEC61000-4-2 (ESD) ±30kV (air), ±30kV (contact).



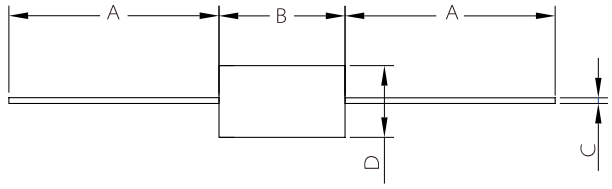


Uni-directionnal



Bi-directionnal

P600 PACKAGE INFORMATION



R6

Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	25.40	-	1.000	-
B	8.60	9.40	0.339	0.370
C	1.20	1.40	0.047	0.055
D	8.60	9.10	0.339	0.358

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
20KPA20A	20KPA20CA	20KPA20A	20KPA20CA	20.0	22.34	24.94	50	36.8	548.9	5000
20KPA24A	20KPA24CA	20KPA24A	20KPA24CA	24.0	26.81	29.93	50	41.2	490.3	5000
20KPA26A	20KPA26CA	20KPA26A	20KPA26CA	26.0	29.04	32.42	50	44.7	451.9	2000
20KPA28A	20KPA28CA	20KPA28A	20KPA28CA	28.0	31.28	34.92	50	48.0	420.8	1000
20KPA30A	20KPA30CA	20KPA30A	20KPA30CA	30.0	33.51	37.41	5	51.5	392.2	250
20KPA32A	20KPA32CA	20KPA32A	20KPA32CA	32.0	35.74	39.90	5	54.3	372.0	150
20KPA34A	20KPA34CA	20KPA34A	20KPA34CA	34.0	38.00	42.42	5	57.5	351.3	50

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
20KPA36A	20KPA36CA	20KPA36A	20KPA36CA	36.0	40.20	44.88	5	61.5	328.5	20
20KPA40A	20KPA40CA	20KPA40A	20KPA40CA	40.0	44.70	49.90	5	67.8	297.9	15
20KPA44A	20KPA44CA	20KPA44A	20KPA44CA	44.0	49.10	54.81	5	72.7	277.9	2
20KPA48A	20KPA48CA	20KPA48A	20KPA48CA	48.0	53.60	59.83	5	79.4	254.4	2
20KPA52A	20KPA52CA	20KPA52A	20KPA52CA	52.0	58.10	64.86	5	85.8	235.4	2
20KPA56A	20KPA56CA	20KPA56A	20KPA56CA	56.0	62.60	69.88	5	92.6	218.1	2
20KPA60A	20KPA60CA	20KPA60A	20KPA60CA	60.0	67.00	74.79	5	97.6	207.0	2
20KPA64A	20KPA64CA	20KPA64A	20KPA64CA	64.0	71.50	79.82	5	104.0	194.2	2
20KPA68A	20KPA68CA	20KPA68A	20KPA68CA	68.0	76.00	84.84	5	110.0	183.6	2
20KPA72A	20KPA72CA	20KPA72A	20KPA72CA	72.0	80.40	89.75	5	116.0	174.1	2
20KPA80A	20KPA80CA	20KPA80A	20KPA80CA	80.0	89.40	99.80	5	130.0	155.4	2
20KPA88A	20KPA88CA	20KPA88A	20KPA88CA	88.0	98.30	109.73	5	142.0	142.3	2
20KPA96A	20KPA96CA	20KPA96A	20KPA96CA	96.0	107.20	119.67	5	155.0	130.3	2
20KPA104A	20KPA104CA	20KPA104A	20KPA104CA	104.0	116.20	129.72	5	168.0	120.2	2
20KPA112A	20KPA112CA	20KPA112A	20KPA112CA	112.0	125.10	139.65	5	182.0	111.0	2
20KPA120A	20KPA120CA	20KPA120A	20KPA120CA	120.0	134.00	149.59	5	194.0	104.1	2
20KPA132A	20KPA132CA	20KPA132A	20KPA132CA	132.0	147.40	164.54	5	213.0	94.8	2
20KPA144A	20KPA144CA	20KPA144A	20KPA144CA	144.0	160.80	179.50	5	232.0	87.1	2
20KPA160A	20KPA160CA	20KPA160A	20KPA160CA	160.0	178.70	199.49	5	258.0	78.3	2
20KPA172A	20KPA172CA	20KPA172A	20KPA172CA	172.0	192.10	214.44	5	277.0	72.9	2
20KPA180A	20KPA180CA	20KPA180A	20KPA180CA	180.0	201.10	224.49	5	291.0	69.4	2
20KPA192A	20KPA192CA	20KPA192A	20KPA192CA	192.0	214.50	239.45	5	309.0	65.4	2
20KPA204A	20KPA204CA	20KPA204A	20KPA204CA	204.0	227.90	254.41	5	329.0	61.4	2
20KPA216A	20KPA216CA	20KPA216A	20KPA216CA	216.0	241.30	269.37	5	348.0	58.0	2
20KPA232A	20KPA232CA	20KPA232A	20KPA232CA	232.0	259.10	289.24	5	374.0	54.0	2
20KPA240A	20KPA240CA	20KPA240A	20KPA240CA	240.0	268.10	299.28	5	387.0	52.2	2
20KPA256A	20KPA256CA	20KPA256A	20KPA256CA	256.0	286.00	319.27	5	412.0	49.0	2

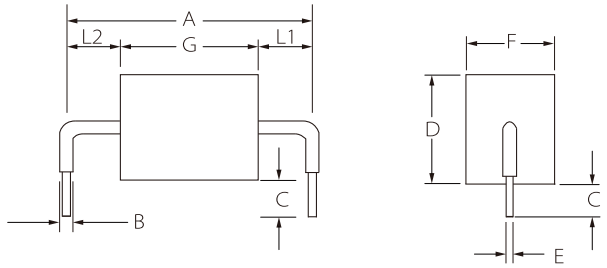
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
20KPA280A	20KPA280CA	20KPA280A	20KPA280CA	280.0	312.80	349.18	5	451.0	44.8	2
20KPA300A	20KPA300CA	20KPA300A	20KPA300CA	300.0	335.10	374.08	5	483.0	41.8	2

Note:
①.Surge waveform:10/1000μs
V_R: Stand-off voltage – Maximum voltage that can be applied
V_{BR}: Breakdown voltage
V_C: Clamping voltage -- Peak voltage measured across the suppressor at a specified I_{PP}
I_R: Reverse leakage current

FEATURES

- Low profile package
- Ideal for automated placement
- 600 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance

AK10 PACKAGE INFORMATION



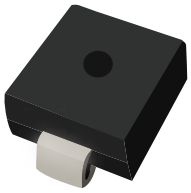
Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	23.15	25.15	0.911	0.990
A-530C	32.70	36.70	1.287	1.445
B	1.80	3.00	0.071	0.118
C	6-20		0.236-0.787	
D	14.48Max		0.570Max	
E	1.22	1.32	0.048	0.052
F	12.70Max		0.500Max	
G-015C	2.60	4.60	0.102	0.181
G-030C	3.23	5.23	0.127	0.206
G-058C/066C/076C	4.08	6.08	0.161	0.240
G-170C/190C	8.20	10.20	0.323	0.402
G-240C	9.67	11.67	0.381	0.459
G-380C/430C	15.50	17.50	0.610	0.689
G-530C	25.5	28.5	1.004	1.122
L1/L2	L1=L2 tolerance±0.04inch(1.0mm)			

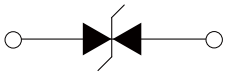
Part Number	Device Marking Code	Standoff Voltage (V_{WM}) (V)	Max. Reverse Leakage (I_R) @V_{WM} (uA)	Typical I_R @85°C uA	Reverse Breakdown Voltage V_{BR}@I_T		Test Current I_T	Maximum Clamping Voltage (I_{PP})		Max.temp Coefficient Of V_{BR}	Max. Capacitance @0Bias 10KHz
					Min(V)	Max(V)	(mA)	V_C(V)	I_{PP}(A)	(%/°C)	(pF)
AK10-015C	10-015C	15	10	15	16	19	10	28	10000	0.1	12.0
AK10-030C	10-030C	30	10	15	32	37	10	58	10000	0.1	11.0

Part Number	Device Marking Code	Standoff Voltage (V_{WM}) (V)	Max. Reverse Leakage (I_R) @V_{WM} (uA)	Typical I_R @85°C uA	Reverse Breakdown Voltage V_{BR}@I_T		Test Current I_T	Maximum Clamping Voltage (I_{PP})		Max.temp Coefficient Of V_{BR}	Max. Capacitance @0Bias 10KHz
					Min(V)	Max(V)	(mA)	V_C(V)	I_{PP}(A)	(%/°C)	(pF)
AK10-058C	10-058C	58	10	15	64	70	10	110	10000	0.1	6.5
AK10-066C	10-066C	66	10	15	72	80	10	120	10000	0.1	6.5
AK10-076C	10-076C	76	10	15	85	95	10	140	10000	0.1	6.5
AK10-170C	10-170C	170	10	15	180	220	10	260	10000	0.1	2.8
AK10-190C	10-190C	190	10	15	200	245	10	290	10000	0.1	2.5
AK10-240C	10-240C	240	10	15	250	285	10	340	10000	0.1	2.2
AK10-380C	10-380C	380	10	15	401	443	10	520	10000	0.1	2.0
AK10-430C	10-430C	430	10	15	440	490	10	625	10000	0.1	1.4
AK10-530C	10-530C	530	10	15	560	619	10	750	10000	0.1	1.0

FEATURES

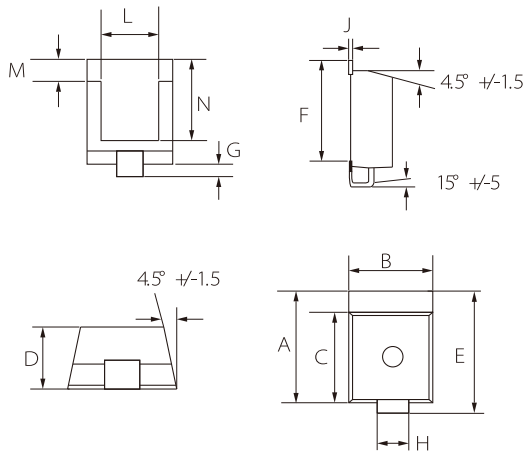
- Glass Passivated Die Construction
- HI Power TVS Design in SMD package
- 6000A Maximum Reverse Pulse Peak Current
- Bi-Directional Versions Available
- Innovative Automatic multi-layer pick and place assembly technology
- Low clamping and slope resistance
- 2nd level interconnectis Pd-free (IPC/JEDEC J-STD-609A.01)
- Ideal for Automatic pick and place assembly
- Reduce the manufacturing cost and increase the soldering quality compared to Axial leads package
- Have complete independent property rights and patents





Bi-directionnal

PACKAGE INFORMATION



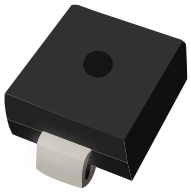
AKM

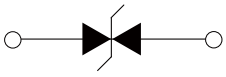
Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	15.78	16.63	0.621	0.655
B	13.43	15.09	0.529	0.594
C	13.83	14.24	0.544	0.561
D	6.94	7.24	0.273	0.285
E	17.82	18.72	0.702	0.737
F	14.40	14.90	0.567	0.587
G	2.20	3.20	0.087	0.126
H	4.89	5.65	0.193	0.222
J	0.72	0.85	0.028	0.033
L	10.17	11.17	0.400	0.440
M	1.85	2.85	0.073	0.112
N	12.95	13.54	0.510	0.583

Part Number	Device Marking Code	Standoff Voltage (V_{WM}) (V)	Max. Reverse Leakage (I_R) @V_{WM} (uA)	Reverse Breakdown Voltage V_{BR}@I_T		Test Current I_T	Max.Clamping Voltage V_{CL} Peak Pulse Current (I_{PP})				
							V_{CL} Volts	I_{PP} (8/20us) (A)		I_{PP} (10/350us) (A)	
				Min Volts	Max Volts	(mA)		Min.	Typ.	Min.	Typ.
AKM06-58C	AKM06-58C	58.0	10.0	64.0	70.0	10.0	110.0	6000	-	1000	-
AKM06-66C	AKM06-66C	66.0	10.0	72.0	80.0	10.0	120.0	6000	-	1000	-
AKM06-76C	AKM06-76C	76.0	10.0	85.0	95.0	10.0	140.0	6000	-	1000	-

FEATURES

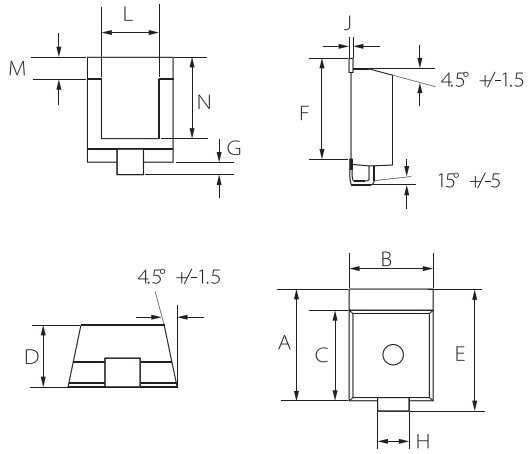
- Glass Passivated Die Construction
- HI Power TVS Design in SMD package
- 10000A Maximum Reverse Pulse Peak Current
- Bi-Directional Versions Available
- Innovative Automatic multi-layer pick and place assembly technology
- Low clamping and slope resistance
- 2nd level interconnectis Pd-free (IPC/JEDEC J-STD-609A.01)
- Ideal for Automatic pick and place assembly





Bi-directionnal

AKM PACKAGE INFORMATION

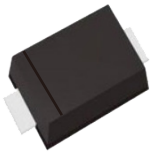


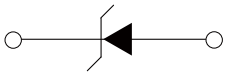
Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	15.78	16.63	0.621	0.655
B	13.43	15.09	0.529	0.594
C	13.83	14.24	0.544	0.561
D	6.94	7.24	0.273	0.285
E	17.82	18.72	0.702	0.737
F	14.40	14.90	0.567	0.587
G	2.20	3.20	0.087	0.126
H	4.89	5.65	0.193	0.222
J	0.72	0.85	0.028	0.033
L	10.17	11.17	0.400	0.440
M	1.85	2.85	0.073	0.112
N	12.95	13.54	0.510	0.583

Part Number	Device Marking Code	Standoff Voltage (V_{WM}) (V)	Max. Reverse Leakage (I_R) @V_{WM} (uA)	Reverse Breakdown Voltage V_{BR}@I_T		Test Current I_T	Max.Clamping Voltage V_{CL} Peak Pulse Current (I_{PP})				
							V_{CL} Volts	I_{PP} (8/20us) (A)		I_{PP} (10/350us) (A)	
				Min Volts	Max Volts	(mA)		Min.	Typ.	Min.	Typ.
AKM10-36C	AKM10-36C	36.0	10.0	39.0	46.0	10.0	98	10000	-	1400	-
AKM10-58C	AKM10-58C	58.0	10.0	64.0	70.0	10.0	110	10000	-	1400	-
AKM10-66C	AKM10-66C	66.0	10.0	72.0	80.0	10.0	120	10000	-	1400	-
AKM10-76C	AKM10-76C	76.0	10.0	85.0	95.0	10.0	140	10000	-	1400	-
AKM10-86C	AKM10-86C	86.0	10.0	95.0	105.0	10.0	157	10000	-	1400	-

FEATURES

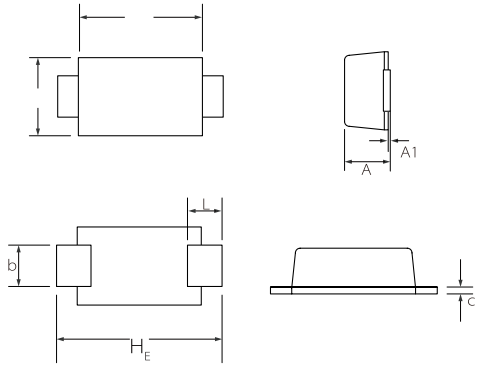
- Glass passivated chip
- 200 W peak pulse power capability with a 10/1000 μs waveform,
- repeve rate (duty cycle):0.01 %
- High reliability applicaon and automove grade
- AEC Q101 qualified
- Low leakage
- Uni and Bidireconal unit
- Excellent clamping capability





Uni-directionnal

SOD-123FL PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	0.95	1.30	0.031	0.057
A1	0.00	0.10	0.000	0.004
b	0.70	1.20	0.028	0.047
c	0.10	0.20	0.004	0.008
D	1.50	1.80	0.059	0.071
E	2.50	2.90	0.098	0.114
L	0.55	0.95	0.022	0.037
H_E	3.40	3.80	0.134	0.150

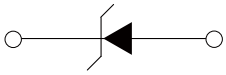
Part Number	Device Marking Code	BREAKDOWN VOLTAGE $V_{BR}@I_T$			MAXIMUM REVERSE LEAKAGE	WORKING PEAK REVERSE VOLTAGE	MAXIMUM REVERSE SURGE CURRENT	RMAXIMUM CLAMPING VOLTAGE
Uni-Polar		Min.(V)	Max.(V)	I_T(mA)	$I_R@V_{RWM}$(uA)	V_{RWM}(V)	I_{PP}(A)	$V_C@I_{PP}$(A)
TPSMF13A	HGA	14.40	15.90	1	1	13.0	9.30	21.50
TPSMF14A	HKA	15.60	17.20	1	1	14.0	8.62	23.20
TPSMF15A	HMA	16.70	18.50	1	1	15.0	8.20	24.40
TPSMF16A	HPA	17.80	19.70	1	1	16.0	7.69	26.00
TPSMF18A	HTA	20.00	22.10	1	1	18.0	6.85	29.20
TPSMF20A	HVA	22.20	24.50	1	1	20.0	6.17	32.40
TPSMF20A	HXA	24.40	26.90	1	1	22.0	5.63	35.50

Part Number	Device Marking Code	BREAKDOWN VOLTAGE $V_{BR}@I_T$			MAXIMUM REVERSE LEAKAGE	WORKING PEAK REVERSE VOLTAGE	MAXIMUM REVERSE SURGE CURRENT	RMAXIMUM CLAMPING VOLTAGE
		Min.(V)	Max.(V)	I_T(mA)	$I_R@V_{RWM}$(uA)	V_{RWM}(V)	I_{PP}(A)	$V_C@I_{PP}$(A)
TPSMF24A	HZA	26.70	29.50	1	1	24.0	5.14	38.90
TPSMF26A	JEA	28.90	31.90	1	1	26.0	4.75	42.10
TPSMF28A	JGA	31.10	34.40	1	1	28.0	4.41	45.40
TPSMF30A	JKA	33.30	36.80	1	1	30.0	4.13	48.40
TPSMF33A	JMA	36.70	40.60	1	1	33.0	3.75	53.30
TPSMF36A	JPA	40.00	44.20	1	1	36.0	3.44	58.10
TPSMF40A	JPA	44.40	49.10	1	1	40.0	3.10	64.50
TPSMF43A	JTA	47.80	52.80	1	1	43.0	2.88	69.40
TPSMF45A	JTA	50.00	55.30	1	1	45.0	2.75	72.70
TPSMF48A	JTA	53.30	58.90	1	1	48.0	2.58	77.40
TPSMF51A	JZA	56.70	62.70	1	1	51.0	2.43	82.40
TPSMF54A	XEA	60.00	66.30	1	1	54.0	2.30	87.10
TPSMF58A	XGA	64.40	71.20	1	1	58.0	2.14	93.60

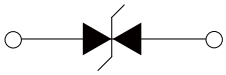
Note:
1. Suffix 'A ' denotes 5% tolerance device.

FEATURES

- Low profile package
- Ideal for automated placement
- 400 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance
- Meet AEC-Q101 Requirements

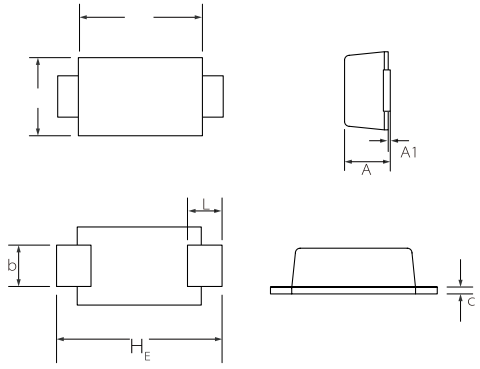


Uni-directionnal



Bi-directionnal

SOD-123FL PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	0.95	1.45	0.037	0.057
A1	0.00	0.10	0.000	0.004
b	0.70	1.20	0.028	0.047
c	0.05	0.30	0.002	0.012
D	1.50	2.00	0.059	0.079
E	2.50	2.90	0.098	0.114
L	0.35	0.90	0.014	0.035
H_E	3.40	3.90	0.134	0.154

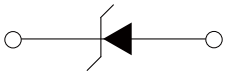
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMF4L5.0A	TPSMF4L5.0CA	KE	WE	5.0	6.4	7.0	10.0	9.2	43.5	800
TPSMF4L6.0A	TPSMF4L6.0CA	KG	WG	6.0	6.67	7.37	10.0	10.3	38.8	800
TPSMF4L6.5A	TPSMF4L6.5CA	KK	WK	6.5	7.22	7.98	10.0	11.2	35.7	500
TPSMF4L7.0A	TPSMF4L7.0CA	KM	WM	7.0	7.78	8.60	10.0	12.0	33.3	200
TPSMF4L7.5A	TPSMF4L7.5CA	KP	WP	7.5	8.33	9.21	1.0	12.9	31.0	100
TPSMF4L8.0A	TPSMF4L8.0CA	KR	WR	8.0	8.89	9.83	1.0	13.6	29.4	50
TPSMF4L8.5A	TPSMF4L8.5CA	KT	WT	8.5	9.44	10.4	1.0	14.4	27.8	20
TPSMF4L9.0A	TPSMF4L9.0CA	KV	WV	9.0	10.0	11.0	1.0	15.4	26.0	10
TPSMF4L10A	TPSMF4L10CA	KX	WX	10.0	11.0	12.3	1.0	17.0	23.5	5.0

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMF4L11A	TPSMF4L11CA	KZ	WZ	11.0	12.2	13.5	1.0	18.2	22.0	1.0
TPSMF4L12A	TPSMF4L12CA	LE	XE	12.0	13.3	14.7	1.0	19.9	20.1	1.0
TPSMF4L13A	TPSMF4L13CA	LG	XG	13.0	14.4	15.9	1.0	21.5	18.6	1.0
TPSMF4L14A	TPSMF4L14CA	LK	XK	14.0	15.6	17.2	1.0	23.2	17.2	1.0
TPSMF4L15A	TPSMF4L15CA	LM	XM	15.0	16.7	18.5	1.0	24.4	16.4	1.0
TPSMF4L16A	TPSMF4L16CA	LP	XP	16.0	17.8	19.7	1.0	26.0	15.4	1.0
TPSMF4L17A	TPSMF4L17CA	LR	XR	17.0	18.9	20.9	1.0	27.6	14.5	1.0
TPSMF4L18A	TPSMF4L18CA	LT	XT	18.0	20.0	22.1	1.0	29.2	13.7	1.0
TPSMF4L20A	TPSMF4L20CA	LV	XV	20.0	22.2	24.5	1.0	32.4	12.3	1.0
TPSMF4L22A	TPSMF4L22CA	LX	XX	22.0	24.4	26.9	1.0	35.5	11.3	1.0
TPSMF4L24A	TPSMF4L24CA	LZ	XZ	24.0	26.7	29.5	1.0	38.9	10.3	1.0
TPSMF4L26A	TPSMF4L26CA	ME	YE	26.0	28.9	31.9	1.0	42.1	9.5	1.0
TPSMF4L28A	TPSMF4L28CA	MG	YG	28.0	31.1	34.4	1.0	45.4	8.8	1.0
TPSMF4L30A	TPSMF4L30CA	MK	YK	30.0	33.3	36.8	1.0	48.4	8.3	1.0
TPSMF4L33A	TPSMF4L33CA	MM	YM	33.0	36.7	40.6	1.0	53.3	7.5	1.0
TPSMF4L36A	TPSMF4L36CA	MP	YP	36.0	40.0	44.2	1.0	58.1	6.9	1.0
TPSMF4L40A	TPSMF4L40CA	MR	YR	40.0	44.4	49.1	1.0	64.5	6.2	1.0
TPSMF4L43A	TPSMF4L43CA	MT	YT	43.0	47.8	52.8	1.0	69.4	5.8	1.0
TPSMF4L45A	TPSMF4L45CA	MV	YV	45.0	50.0	55.3	1.0	72.7	5.5	1.0
TPSMF4L48A	TPSMF4L48CA	MX	YX	48.0	53.3	58.9	1.0	77.4	5.2	1.0
TPSMF4L51A	TPSMF4L51CA	MZ	YZ	51.0	56.7	62.7	1.0	82.4	4.9	1.0
TPSMF4L54A	TPSMF4L54CA	NE	ZE	54.0	60.0	66.3	1.0	87.1	4.6	1.0
TPSMF4L58A	TPSMF4L58CA	NG	ZG	58.0	64.4	71.2	1.0	93.6	4.3	1.0
TPSMF4L60A	TPSMF4L60CA	NK	ZK	60.0	66.7	73.7	1.0	96.8	4.1	1.0
TPSMF4L64A	TPSMF4L64CA	NM	ZM	64.0	71.1	78.6	1.0	103.0	3.9	1.0
TPSMF4L70A	TPSMF4L70CA	NP	ZP	70.0	77.8	86.0	1.0	113.0	3.5	1.0
TPSMF4L75A	TPSMF4L75CA	NR	ZR	75.0	83.3	92.1	1.0	121.0	3.3	1.0
TPSMF4L78A	TPSMF4L78CA	NT	ZT	78.0	86.7	95.8	1.0	126.0	3.2	1.0
TPSMF4L85A	TPSMF4L85CA	NV	ZV	85.0	94.4	104.0	1.0	137.0	2.9	1.0
TPSMF4L90A	TPSMF4L90CA	NX	ZX	90.0	100.0	111.0	1.0	146.0	2.7	1.0
TPSMF4L100A	TPSMF4L100CA	NZ	ZZ	100.0	111.0	123.0	1.0	162.0	2.5	1.0
TPSMF4L110A	TPSMF4L110CA	PE	VE	110.0	122.0	135.0	1.0	177.0	2.3	1.0
TPSMF4L120A	TPSMF4L120CA	PG	VG	120.0	133.0	147.0	1.0	193.0	2.1	1.0
TPSMF4L130A	TPSMF4L130CA	PK	VK	130.0	144.0	159.0	1.0	209.0	1.9	1.0

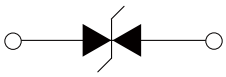
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMF4L150A	TPSMF4L150CA	PM	VM	150.0	167.0	185.0	1.0	243.0	1.6	1.0
TPSMF4L160A	TPSMF4L160CA	PP	VP	160.0	178.0	197.0	1.0	259.0	1.5	1.0
TPSMF4L170A	TPSMF4L170CA	PR	VR	170.0	189.0	209.0	1.0	275.0	1.5	1.0

FEATURES

- Low profile package
- Ideal for automated placement
- 400 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance
- Meet AEC-Q101 Requirements

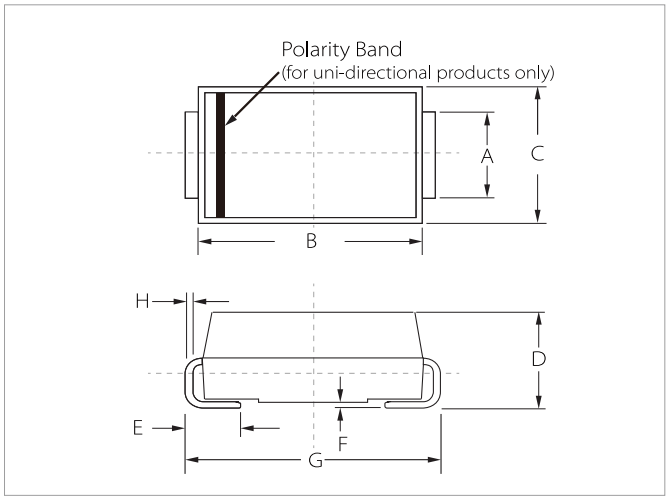


Uni-directionnal



Bi-directionnal

DO-214AC(SMA) PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.20	1.60	0.047	0.063
B	4.20	4.60	0.165	0.181
C	2.60	2.80	0.102	0.110
D	2.10	2.40	0.083	0.094
E	0.76	1.52	0.030	0.060
F	0.02	0.20	0.001	0.008
G	4.85	5.25	0.191	0.207
H	0.15	0.30	0.006	0.012

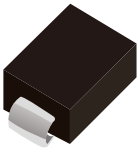
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMAJ5.0A	TPSMAJ5.0CA	AEA	WEA	5.0	6.40	7.00	10	9.2	43.5	800
TPSMAJ6.0A	TPSMAJ6.0CA	AGA	WGA	6.0	6.67	7.37	10	10.3	38.8	800
TPSMAJ6.5A	TPSMAJ6.5CA	AKA	WKA	6.5	7.22	7.98	10	11.2	35.7	500
TPSMAJ7.0A	TPSMAJ7.0CA	AMA	WMA	7.0	7.78	8.60	10	12.0	33.3	200
TPSMAJ7.5A	TPSMAJ7.5CA	APA	WPA	7.5	8.33	9.21	1	12.9	31.0	100
TPSMAJ8.0A	TPSMAJ8.0CA	ARA	WRA	8.0	8.89	9.83	1	13.6	29.4	50
TPSMAJ8.5A	TPSMAJ8.5CA	ATA	WTA	8.5	9.44	10.40	1	14.4	27.8	20
TPSMAJ9.0A	TPSMAJ9.0CA	AVA	WVA	9.0	10.00	11.10	1	15.4	26.0	10
TPSMAJ10A	TPSMAJ10CA	AXA	WXA	10.0	11.10	12.30	1	17.0	23.5	5

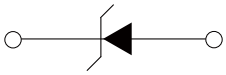
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMAJ11A	TPSMAJ11CA	AZA	WZA	11.0	12.20	13.50	1	18.2	22.0	1
TPSMAJ12A	TPSMAJ12CA	BEA	XEA	12.0	13.30	14.70	1	19.9	20.1	1
TPSMAJ13A	TPSMAJ13CA	BGA	XGA	13.0	14.40	15.90	1	21.5	18.6	1
TPSMAJ14A	TPSMAJ14CA	BKA	XKA	14.0	15.60	17.20	1	23.2	17.2	1
TPSMAJ15A	TPSMAJ15CA	BMA	XMA	15.0	16.70	18.50	1	24.4	16.4	1
TPSMAJ16A	TPSMAJ16CA	BPA	XPA	16.0	17.80	19.70	1	26.0	15.4	1
TPSMAJ17A	TPSMAJ17CA	BRA	XRA	17.0	18.90	20.90	1	27.6	14.5	1
TPSMAJ18A	TPSMAJ18CA	BTA	XTA	18.0	20.00	22.10	1	29.2	13.7	1
TPSMAJ20A	TPSMAJ20CA	BVA	XVA	20.0	22.20	24.50	1	32.4	12.3	1
TPSMAJ22A	TPSMAJ22CA	BXA	XXA	22.0	24.40	26.90	1	35.5	11.3	1
TPSMAJ24A	TPSMAJ24CA	BZA	XZA	24.0	26.70	29.50	1	38.9	10.3	1
TPSMAJ26A	TPSMAJ26CA	CEA	YEA	26.0	28.90	31.90	1	42.1	9.5	1
TPSMAJ28A	TPSMAJ28CA	CGA	YGA	28.0	31.10	34.40	1	45.4	8.8	1
TPSMAJ30A	TPSMAJ30CA	CKA	YKA	30.0	33.30	36.80	1	48.4	8.3	1
TPSMAJ33A	TPSMAJ33CA	CMA	YMA	33.0	36.70	40.60	1	53.3	7.5	1
TPSMAJ36A	TPSMAJ36CA	CPA	YPA	36.0	40.00	44.20	1	58.1	6.9	1
TPSMAJ40A	TPSMAJ40CA	CRA	YRA	40.0	44.40	49.10	1	64.5	6.2	1
TPSMAJ43A	TPSMAJ43CA	CTA	YTA	43.0	47.80	52.80	1	69.4	5.8	1
TPSMAJ45A	TPSMAJ45CA	CVA	YVA	45.0	50.00	55.30	1	72.7	5.5	1
TPSMAJ48A	TPSMAJ48CA	CXA	YXA	48.0	53.30	58.90	1	77.4	5.2	1
TPSMAJ51A	TPSMAJ51CA	CZA	YZA	51.0	56.70	62.70	1	82.4	4.9	1
TPSMAJ54A	TPSMAJ54CA	REA	ZEA	54.0	60.00	66.30	1	87.1	4.6	1
TPSMAJ58A	TPSMAJ58CA	RGA	ZGA	58.0	64.40	71.20	1	93.6	4.3	1
TPSMAJ60A	TPSMAJ60CA	RKA	ZKA	60.0	66.70	73.70	1	96.8	4.1	1
TPSMAJ64A	TPSMAJ64CA	RMA	ZMA	64.0	71.10	78.60	1	103.0	3.9	1
TPSMAJ70A	TPSMAJ70CA	RPA	ZPA	70.0	77.80	86.00	1	113.0	3.5	1
TPSMAJ75A	TPSMAJ75CA	RRA	ZRA	75.0	83.30	92.10	1	121.0	3.3	1
TPSMAJ78A	TPSMAJ78CA	RTA	ZTA	78.0	86.70	95.80	1	126.0	3.2	1
TPSMAJ85A	TPSMAJ85CA	RVA	ZVA	85.0	94.40	104.00	1	137.0	2.9	1
TPSMAJ90A	TPSMAJ90CA	RXA	ZXA	90.0	100.00	111.00	1	146.0	2.7	1
TPSMAJ100A	TPSMAJ100CA	RZA	ZZA	100.0	111.00	123.00	1	162.0	2.5	1
TPSMAJ110A	TPSMAJ110CA	SEA	VEA	110.0	122.00	135.00	1	177.0	2.3	1
TPSMAJ120A	TPSMAJ120CA	SGA	VGA	120.0	133.00	147.00	1	193.0	2.1	1
TPSMAJ130A	TPSMAJ130CA	SKA	VKA	130.0	144.00	159.00	1	209.0	1.9	1

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMAJ150A	TPSMAJ150CA	SMA	VMA	150.0	167.00	185.00	1	243.0	1.6	1
TPSMAJ160A	TPSMAJ160CA	SPA	VPA	160.0	178.00	197.00	1	259.0	1.5	1
TPSMAJ170A	TPSMAJ170CA	SRA	VRA	170.0	189.00	209.00	1	275.0	1.5	1
TPSMAJ180A	TPSMAJ180CA	STA	VTA	180.0	201.00	222.00	1	292.0	1.4	1
TPSMAJ200A	TPSMAJ200CA	SVA	VVA	200.0	224.00	247.00	1	324.0	1.2	1
TPSMAJ220A	TPSMAJ220CA	SXA	VXA	220.0	246.00	272.00	1	356.0	1.1	1
TPSMAJ250A	TPSMAJ250CA	SZA	VZA	250.0	279.00	309.00	1	405.0	1.0	1
TPSMAJ300A	TPSMAJ300CA	TEA	UEA	300.0	335.00	371.00	1	486.0	0.8	1
TPSMAJ350A	TPSMAJ350CA	TGA	UGA	350.0	391.00	432.00	1	567.0	0.7	1
TPSMAJ400A	TPSMAJ400CA	TKA	UKA	400.0	447.00	494.00	1	648.0	0.6	1
TPSMAJ440A	TPSMAJ440CA	TMA	UMA	440.0	492.00	543.00	1	713.0	0.6	1

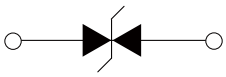
FEATURES

- Low profile package
- Ideal for automated placement
- 600 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance
- Meet AEC-Q101 Requirements



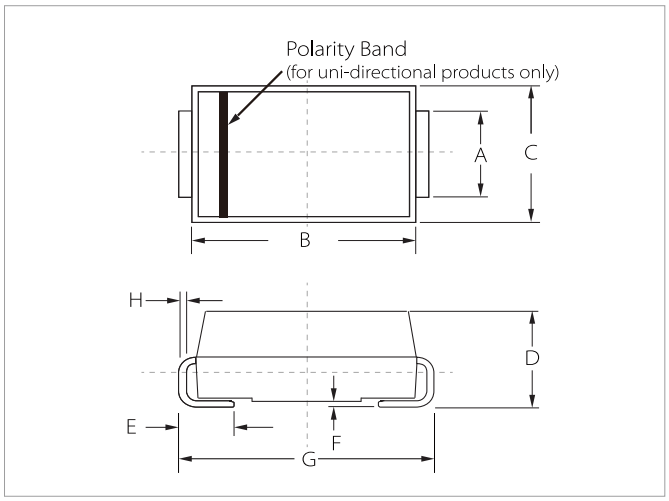


Uni-directionnal



Bi-directionnal

DO-214AA(SMB) PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.80	2.20	0.071	0.087
B	4.30	4.70	0.170	0.185
C	3.40	3.90	0.134	0.153
D	2.15	2.55	0.085	0.100
E	1.00	1.50	0.039	0.059
F	0.02	0.20	0.001	0.008
G	5.10	5.50	0.200	0.216
H	0.15	0.30	0.006	0.012

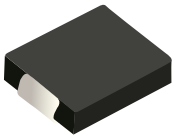
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMBJ11A	TPSMBJ11CA	KZA	AZA	11.0	12.2	13.5	1	18.2	33.0	1
TPSMBJ12A	TPSMBJ12CA	LEA	BEA	12.0	13.3	14.7	1	19.9	30.2	1
TPSMBJ13A	TPSMBJ13CA	LGA	BGA	13.0	14.4	15.9	1	21.5	28.0	1
TPSMBJ14A	TPSMBJ14CA	LKA	BKA	14.0	15.6	17.2	1	23.2	25.9	1
TPSMBJ15A	TPSMBJ15CA	LMA	BMA	15.0	16.7	18.5	1	24.4	24.6	1
TPSMBJ16A	TPSMBJ16CA	LPA	BPA	16.0	17.8	19.7	1	26.0	23.1	1
TPSMBJ17A	TPSMBJ17CA	LRA	BRA	17.0	18.9	20.9	1	27.6	21.8	1
TPSMBJ18A	TPSMBJ18CA	LTA	BTA	18.0	20.0	22.1	1	29.2	20.6	1
TPSMBJ20A	TPSMBJ20CA	LVA	BVA	20.0	22.2	24.5	1	32.4	18.6	1

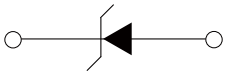
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMBJ22A	TPSMBJ22CA	LXA	BXA	22.0	24.4	26.9	1	35.5	16.9	1
TPSMBJ24A	TPSMBJ24CA	LZA	BZA	24.0	26.7	29.5	1	38.9	15.5	1
TPSMBJ26A	TPSMBJ26CA	MEA	CEA	26.0	28.9	31.9	1	42.1	14.3	1
TPSMBJ28A	TPSMBJ28CA	MGA	CGA	28.0	31.1	34.4	1	45.4	13.3	1
TPSMBJ30A	TPSMBJ30CA	MKA	CKA	30.0	33.3	36.8	1	48.4	12.4	1
TPSMBJ33A	TPSMBJ33CA	MMA	CMA	33.0	36.7	40.6	1	53.3	11.3	1
TPSMBJ36A	TPSMBJ36CA	MPA	CPA	36.0	40.0	44.2	1	58.1	10.4	1
TPSMBJ40A	TPSMBJ40CA	MRA	CRA	40.0	44.4	49.1	1	64.5	9.3	1
TPSMBJ43A	TPSMBJ43CA	MTA	CTA	43.0	47.8	52.8	1	69.4	8.7	1
TPSMBJ45A	TPSMBJ45CA	MVA	CVA	45.0	50.0	55.3	1	72.7	8.3	1
TPSMBJ48A	TPSMBJ48CA	MXA	CXA	48.0	53.3	58.9	1	77.4	7.8	1
TPSMBJ51A	TPSMBJ51CA	MZA	CZA	51.0	56.7	62.7	1	82.4	7.3	1
TPSMBJ54A	TPSMBJ54CA	NEA	DEA	54.0	60.0	66.3	1	87.1	6.9	1
TPSMBJ58A	TPSMBJ58CA	NGA	DGA	58.0	64.4	71.2	1	93.6	6.5	1
TPSMBJ60A	TPSMBJ60CA	NKA	DKA	60.0	66.7	73.7	1	96.8	6.2	1
TPSMBJ64A	TPSMBJ64CA	NMA	DMA	64.0	71.1	78.6	1	103.0	5.9	1
TPSMBJ70A	TPSMBJ70CA	NPA	DPA	70.0	77.8	86.0	1	113.0	5.3	1
TPSMBJ75A	TPSMBJ75CA	NRA	DRA	75.0	83.3	92.1	1	121.0	5.0	1
TPSMBJ78A	TPSMBJ78CA	NTA	DTA	78.0	86.7	95.8	1	126.0	4.8	1
TPSMBJ85A	TPSMBJ85CA	NVA	DVA	85.0	94.4	104.0	1	137.0	4.4	1
TPSMBJ90A	TPSMBJ90CA	NXA	DXA	90.0	100.0	111.0	1	146.0	4.1	1
TPSMBJ100A	TPSMBJ100CA	NZA	DZA	100.0	111.0	123.0	1	162.0	3.7	1
TPSMBJ110A	TPSMBJ110CA	PEA	EEA	110.0	122.0	135.0	1	177.0	3.4	1
TPSMBJ120A	TPSMBJ120CA	PGA	EGA	120.0	133.0	147.0	1	193.0	3.1	1
TPSMBJ130A	TPSMBJ130CA	PKA	EKA	130.0	144.0	159.0	1	209.0	2.9	1
TPSMBJ150A	TPSMBJ150CA	PMA	EMA	150.0	167.0	185.0	1	243.0	2.5	1
TPSMBJ160A	TPSMBJ160CA	PPA	EPA	160.0	178.0	197.0	1	259.0	2.3	1
TPSMBJ170A	TPSMBJ170CA	PRA	ERA	170.0	189.0	209.0	1	275.0	2.2	1
TPSMBJ180A	TPSMBJ180CA	PTA	ETA	180.0	201.0	222.0	1	292.0	2.1	1
TPSMBJ200A	TPSMBJ200CA	PVA	EVA	200.0	224.0	247.0	1	324.0	1.9	1
TPSMBJ220A	TPSMBJ220CA	PXA	EXA	220.0	246.0	272.0	1	356.0	1.7	1
TPSMBJ250A	TPSMBJ250CA	PZA	EZA	250.0	279.0	309.0	1	405.0	1.5	1
TPSMBJ300A	TPSMBJ300CA	QEA	FEA	300.0	335.0	371.0	1	486.0	1.3	1
TPSMBJ350A	TPSMBJ350CA	QGA	FGA	350.0	391.0	432.0	1	567.0	1.1	1

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMBJ400A	TPSMBJ400CA	QKA	FKA	400.0	447.0	494.0	1	648.0	0.9	1
TPSMBJ440A	TPSMBJ440CA	QMA	FMA	440.0	492.0	543.0	1	713.0	0.9	1

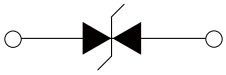
FEATURES

- Low profile package
- Ideal for automated placement
- 1500 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance
- Meet AEC-Q101 Requirements



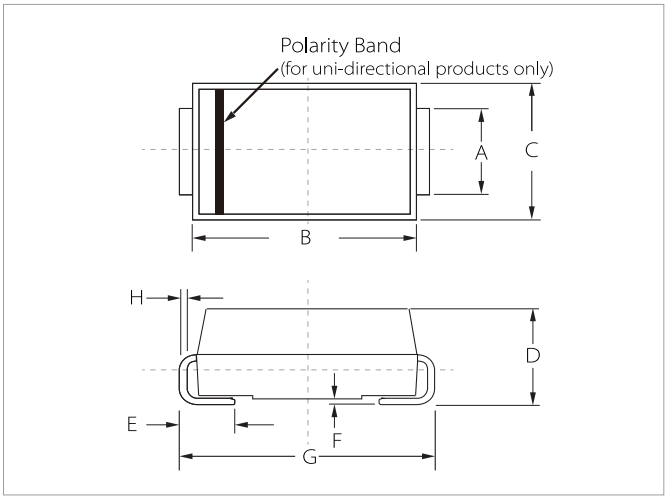


Uni-directionnal



Bi-directionnal

DO-214AB(SMC) PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	2.80	3.20	0.110	0.126
B	6.60	7.20	0.260	0.283
C	5.70	6.10	0.224	0.240
D	2.15	2.75	0.085	0.108
E	1.00	1.60	0.039	0.063
F	0.02	0.20	0.000	0.008
G	7.60	8.00	0.299	0.315
H	0.15	0.30	0.006	0.012

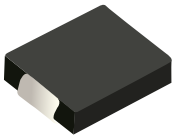
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMCJ11A	TPSMCJ11CA	GDZA	BDZA	11.0	12.20	13.50	1	18.2	82.5	1
TPSMCJ12A	TPSMCJ12CA	GEEA	BEEA	12.0	13.30	14.70	1	19.9	75.4	1
TPSMCJ13A	TPSMCJ13CA	GEGA	BEGA	13.0	14.40	15.90	1	21.5	69.8	1
TPSMCJ14A	TPSMCJ14CA	GEKA	BEKA	14.0	15.60	17.20	1	23.2	64.7	1
TPSMCJ15A	TPSMCJ15CA	GEMA	BEMA	15.0	16.70	18.50	1	24.4	61.5	1
TPSMCJ16A	TPSMCJ16CA	GEPA	BEPA	16.0	17.80	19.70	1	26.0	57.7	1
TPSMCJ18A	TPSMCJ18CA	GETA	BETA	18.0	20.00	22.10	1	29.2	51.4	1
TPSMCJ20A	TPSMCJ20CA	GEVA	BEVA	20.0	22.20	24.50	1	32.4	46.3	1
TPSMCJ22A	TPSMCJ22CA	GEXA	BEXA	22.0	24.40	26.90	1	35.5	42.3	1

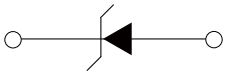
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMCJ24A	TPSMCJ24CA	GEZA	BEZA	24.0	26.70	29.50	1	38.9	38.6	1
TPSMCJ26A	TPSMCJ26CA	GFEA	BFEA	26.0	28.90	31.90	1	42.1	35.7	1
TPSMCJ28A	TPSMCJ28CA	GFGA	BFGA	28.0	31.10	34.40	1	45.4	33.1	1
TPSMCJ30A	TPSMCJ30CA	GFKA	BFKA	30.0	33.30	36.80	1	48.4	31.0	1
TPSMCJ33A	TPSMCJ33CA	GFMA	BFMA	33.0	36.70	40.60	1	53.3	28.2	1
TPSMCJ36A	TPSMCJ36CA	GFPA	BFPA	36.0	40.00	44.20	1	58.1	25.9	1
TPSMCJ40A	TPSMCJ40CA	GFRA	BFRA	40.0	44.40	49.10	1	64.5	23.3	1
TPSMCJ43A	TPSMCJ43CA	GFTA	BFTA	43.0	47.80	52.80	1	69.4	21.7	1
TPSMCJ45A	TPSMCJ45CA	GFVA	BFVA	45.0	50.00	55.30	1	72.7	20.6	1
TPSMCJ48A	TPSMCJ48CA	GFXA	BFXA	48.0	53.30	58.90	1	77.4	19.4	1
TPSMCJ51A	TPSMCJ51CA	GFZA	BFZA	51.0	56.70	62.70	1	82.4	18.2	1
TPSMCJ54A	TPSMCJ54CA	GGEA	BGEA	54.0	60.00	66.30	1	87.1	17.3	1
TPSMCJ58A	TPSMCJ58CA	GGGA	BGGA	58.0	64.40	71.20	1	93.6	16.1	1
TPSMCJ60A	TPSMCJ60CA	GGKA	BGKA	60.0	66.70	73.70	1	96.8	15.5	1
TPSMCJ64A	TPSMCJ64CA	GGMA	BGMA	64.0	71.10	78.60	1	103.0	14.6	1
TPSMCJ70A	TPSMCJ70CA	GGPA	BGPA	70.0	77.80	86.00	1	113.0	13.3	1
TPSMCJ75A	TPSMCJ75CA	GGRA	BGRA	75.0	83.30	92.10	1	121.0	12.4	1
TPSMCJ78A	TPSMCJ78CA	GGTA	BGTA	78.0	86.70	95.80	1	126.0	11.9	1
TPSMCJ85A	TPSMCJ85CA	GGVA	BGVA	85.0	94.40	104.00	1	137.0	11.0	1
TPSMCJ90A	TPSMCJ90CA	GGXA	BGXA	90.0	100.00	111.00	1	146.0	10.3	1
TPSMCJ100A	TPSMCJ100CA	GGZA	BGZA	100.0	111.00	123.00	1	162.0	9.3	1
TPSMCJ110A	TPSMCJ110CA	GHEA	BHEA	110.0	122.00	135.00	1	177.0	8.5	1
TPSMCJ120A	TPSMCJ120CA	GHGA	BHGA	120.0	133.00	147.00	1	193.0	7.8	1
TPSMCJ130A	TPSMCJ130CA	GHKA	BHKA	130.0	144.00	159.00	1	209.0	7.2	1
TPSMCJ150A	TPSMCJ150CA	GHMA	BHMA	150.0	167.00	185.00	1	243.0	6.2	1
TPSMCJ160A	TPSMCJ160CA	GHPA	BHPA	160.0	178.00	197.00	1	259.0	5.8	1
TPSMCJ170A	TPSMCJ170CA	GHRA	BHRA	170.0	189.00	209.00	1	275.0	5.5	1
TPSMCJ180A	TPSMCJ180CA	GHTA	BHTA	180.0	201.00	222.00	1	292.0	5.1	1
TPSMCJ200A	TPSMCJ200CA	GHVA	BHVA	200.0	224.00	247.00	1	324.0	4.6	1
TPSMCJ220A	TPSMCJ220CA	GHXA	BHXA	220.0	246.00	272.00	1	356.0	4.2	1
TPSMCJ250A	TPSMCJ250CA	GHZA	BHZA	250.0	279.00	309.00	1	405.0	3.7	1
TPSMCJ300A	TPSMCJ300CA	GJEA	BJEA	300.0	335.00	371.00	1	486.0	3.1	1
TPSMCJ350A	TPSMCJ350CA	GJGA	BJGA	350.0	391.00	432.00	1	567.0	2.6	1

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMCJ400A	TPSMCJ400CA	GJKA	BJKA	400.0	447.00	494.00	1	648.0	2.3	1
TPSMCJ440A	TPSMCJ440CA	GJMA	BJMA	440.0	492.00	543.00	1	713.0	2.1	1

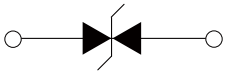
FEATURES

- Low profile package
- Ideal for automated placement
- 1500 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance
- Meet AEC-Q101 Requirements



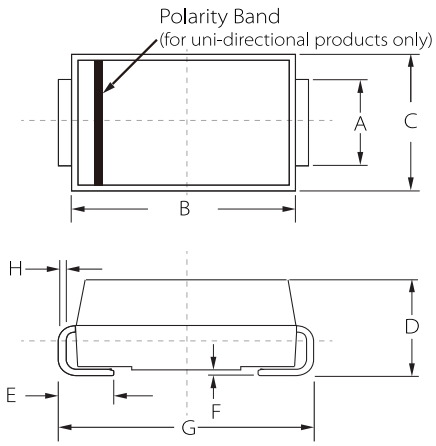


Uni-directionnal



Bi-directionnal

DO-214AB(SMC) PACKAGE INFORMATION



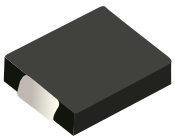
Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	2.80	3.20	0.110	0.126
B	6.60	7.20	0.260	0.283
C	5.70	6.10	0.224	0.240
D	2.15	2.75	0.085	0.108
E	1.00	1.60	0.039	0.063
F	0.02	0.20	0.000	0.008
G	7.60	8.00	0.299	0.315
H	0.15	0.30	0.006	0.012

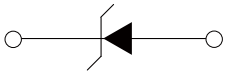
Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMDJ10A	TPSMDJ10CA	PDXA	DDXA	11.1	12.3	1	1	10	176.47	17
TPSMDJ11A	TPSMDJ11CA	PDZA	DDZA	12.2	13.5	1	1	11	164.84	18.2
TPSMDJ12A	TPSMDJ12CA	PEEA	DEEA	13.3	14.7	1	1	12	150.75	19.9
TPSMDJ13A	TPSMDJ13CA	PEGA	DEGA	14.4	15.9	1	1	13	139.53	21.5
TPSMDJ14A	TPSMDJ14CA	PEKA	DEKA	15.6	17.2	1	1	14	129.31	23.2
TPSMDJ15A	TPSMDJ15CA	PEMA	DEMA	16.7	18.5	1	1	15	122.95	24.4
TPSMDJ16A	TPSMDJ16CA	PEPA	DEPA	17.8	19.7	1	1	16	115.38	26
TPSMDJ18A	TPSMDJ18CA	PETA	DETA	20	22.1	1	1	18	102.74	29.2
TPSMDJ20A	TPSMDJ20CA	PEVA	DEVA	22.2	24.5	1	1	20	92.59	32.4

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TPSMDJ22A	TPSMDJ22CA	PEXA	DEXA	24.4	26.9	1	1	22	84.51	35.5
TPSMDJ24A	TPSMDJ24CA	PEZA	DEZA	26.7	29.5	1	1	24	77.12	38.9
TPSMDJ26A	TPSMDJ26CA	PFEA	DFEA	28.9	31.9	1	1	26	71.26	42.1
TPSMDJ28A	TPSMDJ28CA	PFGA	DFGA	31.1	34.4	1	1	28	66.08	45.4
TPSMDJ30A	TPSMDJ30CA	PFKA	DFKA	33.3	36.8	1	1	30	61.98	48.4
TPSMDJ33A	TPSMDJ33CA	PFMA	DFMA	36.7	40.6	1	1	33	56.29	53.3
TPSMDJ36A	TPSMDJ36CA	PFPA	DFPA	40	44.2	1	1	36	51.64	58.1
TPSMDJ40A	TPSMDJ40CA	PFRA	DFRA	44.4	49.1	1	1	40	46.51	64.5
TPSMDJ43A	TPSMDJ43CA	PFTA	DFTA	47.8	52.8	1	1	43	43.23	69.4

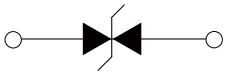
FEATURES

- Low profile package
- Ideal for automated placement
- 5000 Watt peak pulse power capability with a 10/1000μs waveform
- For surface mounted applicatons to optimize board space
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance
- Meet AEC-Q101 Requirements



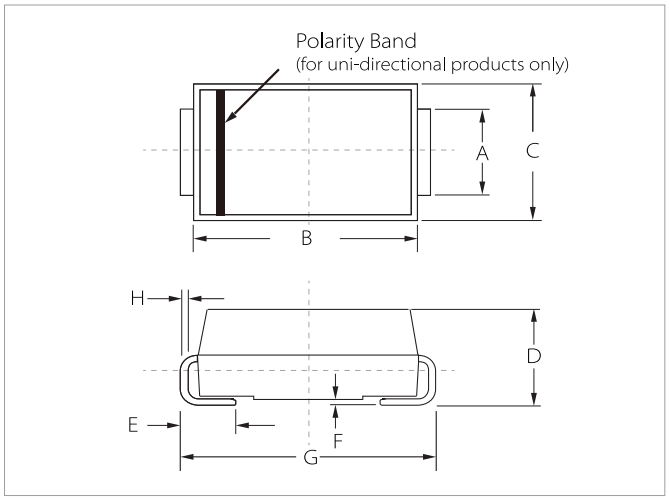


Uni-directionnal



Bi-directionnal

DO-214AB(SMC) PACKAGE INFORMATION



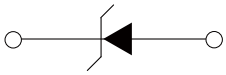
Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	2.80	3.20	0.110	0.126
B	6.60	7.20	0.260	0.283
C	5.70	6.10	0.224	0.240
D	2.15	2.75	0.085	0.108
E	1.00	1.60	0.039	0.063
F	0.02	0.20	0.000	0.008
G	7.60	8.00	0.299	0.315
H	0.15	0.30	0.006	0.012

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TP5.0SMDJ11A	TP5.0SMDJ11CA	5SAF	5DAF	11.0	12.20	13.50	1	18.2	275.0	1
TP5.0SMDJ12A	TP5.0SMDJ12CA	5SAG	5DAG	12.0	13.20	14.70	1	19.9	252.0	1
TP5.0SMDJ13A	TP5.0SMDJ13CA	5SAK	5DAK	13.0	14.40	15.90	1	21.5	233.0	1
TP5.0SMDJ14A	TP5.0SMDJ14CA	5SAM	5DAM	14.0	15.60	17.20	1	23.2	216.0	1
TP5.0SMDJ15A	TP5.0SMDJ15CA	5SAP	5DAP	15.0	16.70	18.50	1	24.4	205.0	1
TP5.0SMDJ16A	TP5.0SMDJ16CA	5SAR	5DAR	16.0	17.80	19.70	1	26.0	193.0	1
TP5.0SMDJ18A	TP5.0SMDJ18CA	5SAV	5DAV	18.0	20.00	22.10	1	29.2	172.0	1
TP5.0SMDJ20A	TP5.0SMDJ20CA	5SAZ	5DAZ	20.0	22.20	24.50	1	32.4	155.0	1

Part Number		Device Marking Code		Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}
Uni-Polar	Bi-Polar	Uni	Bi	V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)	I_R(uA)
TP5.0SMDJ22A	TP5.0SMDJ22CA	5SBE	5DBE	22.0	24.40	26.90	1	35.5	141.0	1
TP5.0SMDJ24A	TP5.0SMDJ24CA	5SBF	5DBF	24.0	26.70	29.50	1	38.9	129.0	1
TP5.0SMDJ26A	TP5.0SMDJ26CA	5SBG	5DBG	26.0	28.90	31.90	1	42.1	119.0	1
TP5.0SMDJ28A	TP5.0SMDJ28CA	5SBK	5DBK	28.0	31.10	34.40	1	45.4	110.0	1
TP5.0SMDJ30A	TP5.0SMDJ30CA	5SBM	5DBM	30.0	33.30	36.80	1	48.4	103.0	1
TP5.0SMDJ33A	TP5.0SMDJ33CA	5SBP	5DBP	33.0	36.70	40.60	1	53.3	93.9	1
TP5.0SMDJ36A	TP5.0SMDJ36CA	5SBR	5DBR	36.0	40.00	44.20	1	58.1	86.1	1
TP5.0SMDJ40A	TP5.0SMDJ40CA	5SBT	5DBT	40.0	44.40	49.10	1	64.5	77.6	1
TP5.0SMDJ43A	TP5.0SMDJ43CA	5SBV	5DBV	43.0	47.80	52.80	1	69.4	72.1	1
TP5.0SMDJ45A	TP5.0SMDJ45CA	5SBX	5DBX	45.0	50.00	55.30	1	72.7	68.8	1
TP5.0SMDJ48A	TP5.0SMDJ48CA	5SBZ	5DBZ	48.0	53.30	58.90	1	77.4	64.7	1
TP5.0SMDJ51A	TP5.0SMDJ51CA	5SCE	5DCE	51.0	56.70	62.70	1	82.4	60.7	1
TP5.0SMDJ54A	TP5.0SMDJ54CA	5SCF	5DCF	54.0	60.00	66.30	1	87.1	57.5	1
TP5.0SMDJ58A	TP5.0SMDJ58CA	5SCG	5DCG	58.0	64.40	71.20	1	93.6	53.5	1

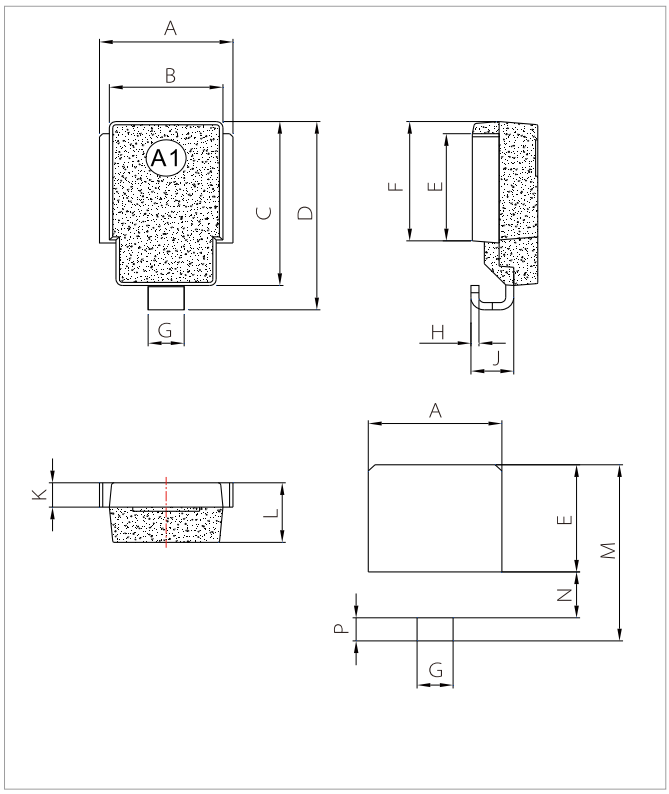
FEATURES

- ISO10605(C=330pF, R=330Ω):±30kV Air , ±30kV(Contact)
- HBM ≥±8kV & CDM ≥±2kV
- Rated for load dump protection (ISO16750-2)in automotive applications
- Meets ISO7637-2 Requirements
- Meets MSL Level 1 per J-STD-020
- Meet AEC-Q101 Requirements
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC61249 standard



Uni-directionnal

DO-218AB PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	9.5	10.5	0.374	0.413
B	8.3	8.7	0.327	0.342
C	13.3	13.7	0.524	0.539
D	15.0	16.0	0.592	0.628
E	8.5	9.1	0.335	0.358
F	9.5	10.1	0.374	0.398
G	2.4	3.0	0.094	0.118
H	0.5	0.7	0.020	0.028
J	2.7	3.7	0.106	0.146
K	1.9	2.1	0.075	0.083
L	4.7	5.1	0.185	0.201
M	14.2	14.8	0.559	0.583
N	3.5	4.1	0.138	0.161
P	1.6	2.2	0.063	0.087

Part Number	Device Marking Code	Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}	Reverse Leakage @V_{RWM} T_J=175°C
		V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)(1)	I_R(uA)(1)	I_R(uA)
SM8S14A	SM8S14A	14.0	15.6	17.2	5.0	23.2	284	1.0	150
SM8S15A	SM8S15A	15.0	16.7	18.5	5.0	24.4	270	1.0	150

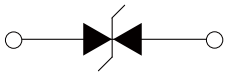
Part Number	Device Marking Code	Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}	Reverse Leakage @V_{RWM} T_J=175°C
		V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)(1)	I_R(uA)(1)	I_R(uA)
SM8S16A	SM8S16A	16.0	17.8	19.7	5.0	26.0	254	1.0	150
SM8S17A	SM8S17A	17.0	18.9	20.9	5.0	27.6	239	1.0	150
SM8S18A	SM8S18A	18.0	20.0	22.1	5.0	29.2	226	0.5	150
SM8S20A	SM8S20A	20.0	22.2	24.5	5.0	32.4	204	0.5	150
SM8S22A	SM8S22A	22.0	24.4	26.9	5.0	35.5	186	0.5	150
SM8S24A	SM8S24A	24.0	26.7	29.5	5.0	38.9	170	0.5	150
SM8S26A	SM8S26A	26.0	28.9	31.9	5.0	42.1	157	0.5	150
SM8S28A	SM8S28A	28.0	31.1	34.4	5.0	45.4	145	0.5	150
SM8S30A	SM8S30A	30.0	33.3	36.8	5.0	48.4	136	0.5	150
SM8S33A	SM8S33A	33.0	36.7	40.6	5.0	53.3	124	0.5	150
SM8S36A	SM8S36A	36.0	40.0	44.2	5.0	58.1	114	0.5	150
SM8S40A	SM8S40A	40.0	44.4	49.1	5.0	64.5	102	0.5	150
SM8S43A	SM8S43A	43.0	47.8	52.8	5.0	69.4	95	0.5	150
SM8S48A	SM8S48A	48.0	53.3	58.7	5.0	80.6	82	0.5	150

NOTES:

1.Non-repetitive current pulse per Fig.3 and derated above T_A=25°C per Fig.1

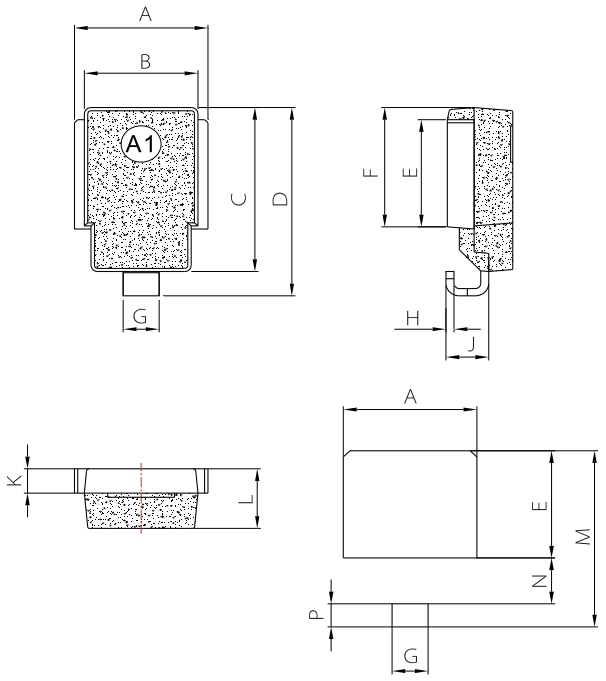
FEATURES

- ISO10605(C=330pF, R=330Ω):±30kV Air , ±30kV(Contact)
- HBM ≥±8kV & CDM ≥±2kV
- Rated for load dump protection (ISO16750-2)in automotive applications
- Meets ISO7637-2 Requirements
- Meets MSL Level 1 per J-STD-020
- Meet AEC-Q101 Requirements
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC61249 standard



Bi-directionnal

DO-218AB PACKAGE INFORMATION



DO-218AB

Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	9.5	10.5	0.374	0.413
B	8.3	8.7	0.327	0.342
C	13.3	13.7	0.524	0.539
D	15.0	16.0	0.592	0.628
E	8.5	9.1	0.335	0.358
F	9.5	10.1	0.374	0.398
G	2.4	3.0	0.094	0.118
H	0.5	0.7	0.020	0.028
J	2.7	3.7	0.106	0.146
K	1.9	2.1	0.075	0.083
L	4.7	5.1	0.185	0.201
M	14.2	14.8	0.559	0.583
N	3.5	4.1	0.138	0.161
P	1.6	2.2	0.063	0.087

Part Number	Device Marking Code	Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}	Reverse Leakage @V_{RWM} T_J=175°C
		V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)(1)	I_R(uA)(1)	I_R(uA)
6600W Transient Voltage Suppressor									
SM8S14CA	SM8S14CA	14.0	15.6	17.2	5.0	23.2	284	1.0	150

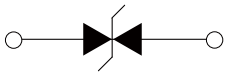
Part Number	Device Marking Code	Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}	Reverse Leakage @V_{RWM} T_J=175°C
		V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)(1)	I_R(uA)(1)	I_R(uA)
SM8S15CA	SM8S15CA	15.0	16.7	18.5	5.0	24.4	270	1.0	150
SM8S16CA	SM8S16CA	16.0	17.8	19.7	5.0	26.0	254	1.0	150
SM8S17CA	SM8S17CA	17.0	18.9	20.9	5.0	27.6	239	1.0	150
SM8S18CA	SM8S18CA	18.0	20.0	22.1	5.0	29.2	226	0.5	150
SM8S20CA	SM8S20CA	20.0	22.2	24.5	5.0	32.4	204	0.5	150
SM8S22CA	SM8S22CA	22.0	24.4	26.9	5.0	35.5	186	0.5	150
SM8S24CA	SM8S24CA	24.0	26.7	29.5	5.0	38.9	170	0.5	150
SM8S26CA	SM8S26CA	26.0	28.9	31.9	5.0	42.1	157	0.5	150
SM8S28CA	SM8S28CA	28.0	31.1	34.4	5.0	45.4	145	0.5	150
SM8S30CA	SM8S30CA	30.0	33.3	36.8	5.0	48.4	136	0.5	150
SM8S33CA	SM8S33CA	33.0	36.7	40.6	5.0	53.3	124	0.5	150
SM8S36CA	SM8S36CA	36.0	40.0	44.2	5.0	58.1	114	0.5	150
SM8S40CA	SM8S40CA	40.0	44.4	49.1	5.0	64.5	102	0.5	150
SM8S43CA	SM8S43CA	43.0	47.8	52.8	5.0	69.4	95	0.5	150
SM8S48CA	SM8S48CA	48.0	53.3	58.7	5.0	80.6	82	0.5	150

NOTES:

1.Non-repetitive current pulse per Fig.3 and derated above TA=25°C per Fig.1

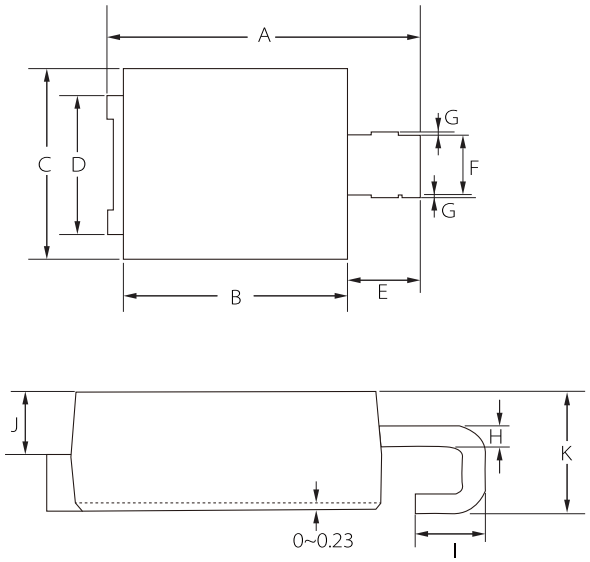
FEATURES

- ISO10605(C=330pF, R=330Ω):±30kV Air , ±30kV(Contact)
- HBM ≥±8kV & CDM ≥±2kV
- Rated for load dump protection (ISO16750-2)in automotive applications
- Meets ISO7637-2 Requirements
- Meets MSL Level 1 per J-STD-020
- Meet AEC-Q101 Requirements
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC61249 standard



Bi-directionnal

DO-218MINI PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	11.50	12.50	0.453	0.492
B	8.20	8.80	0.323	0.346
C	7.70	8.70	0.303	0.342
D	6.00		0.236	
E	2.80		0.110	
F	2.60		0.102	
G	-	0.20	-	0.008
H	0.66		0.026	
I	1.90		0.075	
J	1.80	2.30	0.071	0.090
K	3.20	4.00	0.126	0.157

Part Number	Device Marking Code	Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}	Reverse Leakage @V_{RWM} T_J=175°C
		V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)(1)	I_R(uA)(1)	I_R(uA)
SMD5S14A	SMD5S14A	14.0	15.6	17.2	5.0	23.2	155	1.0	150
SMD5S15A	SMD5S15A	15.0	16.7	18.5	5.0	24.4	148	1.0	150
SMD5S16A	SMD5S16A	16.0	17.8	19.7	5.0	26.0	138	1.0	150
SMD5S17A	SMD5S17A	17.0	18.9	20.9	5.0	27.6	130	1.0	150
SMD5S18A	SMD5S18A	18.0	20.0	22.1	5.0	29.2	123	0.5	150

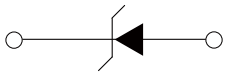
Part Number	Device Marking Code	Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}	Reverse Leakage @V_{RWM} T_J=175°C
		V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)(1)	I_R(uA)(1)	I_R(uA)
SMD5S20A	SMD5S20A	20.0	22.2	24.5	5.0	32.4	111	0.5	150
SMD5S22A	SMD5S22A	22.0	24.4	26.9	5.0	35.5	101	0.5	150
SMD5S24A	SMD5S24A	24.0	26.7	29.5	5.0	38.9	93	0.5	150
SMD5S26A	SMD5S26A	26.0	28.9	31.9	5.0	42.1	86	0.5	150
SMD5S28A	SMD5S28A	28.0	31.1	34.4	5.0	45.4	79	0.5	150
SMD5S30A	SMD5S30A	30.0	33.3	36.8	5.0	48.4	74	0.5	150
SMD5S33A	SMD5S33A	33.0	36.7	40.6	5.0	53.3	68	0.5	150
SMD5S36A	SMD5S36A	36.0	40.0	44.2	5.0	58.1	62	0.5	150
SMD5S40A	SMD5S40A	40.0	44.4	49.1	5.0	64.5	56	0.5	150
SMD5S43A	SMD5S43A	43.0	47.8	52.8	5.0	69.4	52	0.5	150
SMD5S48A	SMD5S48A	48.0	53.3	58.7	5.0	80.6	45	0.5	150

NOTES:

1.Non-repetitive current pulse per Fig.3 and derated above TA=25°C per Fig.1

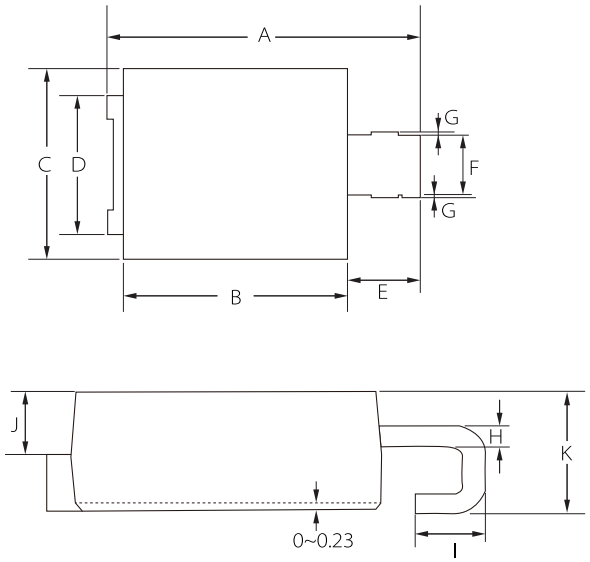
FEATURES

- ISO10605(C=330pF, R=330Ω):±30kV Air , ±30kV(Contact)
- HBM ≥±8kV & CDM ≥±2kV
- Rated for load dump protection (ISO16750-2)in automotive applications
- Meets ISO7637-2 Requirements
- Meets MSL Level 1 per J-STD-020
- Meet AEC-Q101 Requirements
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC61249 standard



Schematic Symbol

DO-218MINI PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	11.50	12.50	0.453	0.492
B	8.20	8.80	0.323	0.346
C	7.70	8.70	0.303	0.342
D	6.00		0.236	
E	2.80		0.110	
F	2.60		0.102	
G	-	0.20	-	0.008
H	0.66		0.026	
I	1.90		0.075	
J	1.80	2.30	0.071	0.090
K	3.20	4.00	0.126	0.157

Part Number	Device Marking Code	Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}	Reverse Leakage @V_{RWM} T_J=175°C
		V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)(1)	I_R(uA)(1)	I_R(uA)
SMD6S14A	SMD6S14A	14.0	15.6	17.2	5.0	23.2	198	1.0	150
SMD6S15A	SMD6S15A	15.0	16.7	18.5	5.0	24.4	189	1.0	150
SMD6S16A	SMD6S16A	16.0	17.8	19.7	5.0	26.0	177	1.0	150
SMD6S17A	SMD6S17A	17.0	18.9	20.9	5.0	27.6	167	1.0	150
SMD6S18A	SMD6S18A	18.0	20.0	22.1	5.0	29.2	158	0.5	150

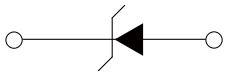
Part Number	Device Marking Code	Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}	Reverse Leakage @V_{RWM} T_J=175°C
		V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)(1)	I_R(uA)(1)	I_R(uA)
SMD6S20A	SMD6S20A	20.0	22.2	24.5	5.0	32.4	142	0.5	150
SMD6S22A	SMD6S22A	22.0	24.4	26.9	5.0	35.5	130	0.5	150
SMD6S24A	SMD6S24A	24.0	26.7	29.5	5.0	38.9	118	0.5	150
SMD6S26A	SMD6S26A	26.0	28.9	31.9	5.0	42.1	109	0.5	150
SMD6S28A	SMD6S28A	28.0	31.1	34.4	5.0	45.4	101	0.5	150
SMD6S30A	SMD6S30A	30.0	33.3	36.8	5.0	48.4	95	0.5	150
SMD6S33A	SMD6S33A	33.0	36.7	40.6	5.0	53.3	86	0.5	150
SMD6S36A	SMD6S36A	36.0	40.0	44.2	5.0	58.1	79	0.5	150
SMD6S40A	SMD6S40A	40.0	44.4	49.1	5.0	64.5	71	0.5	150
SMD6S43A	SMD6S43A	43.0	47.8	52.8	5.0	69.4	66	0.5	150
SMD6S48A	SMD6S48A	48.0	53.3	58.7	5.0	80.6	57	0.5	150

NOTES:

1.Non-repetitive current pulse per Fig.3 and derated above TA=25°C per Fig.1

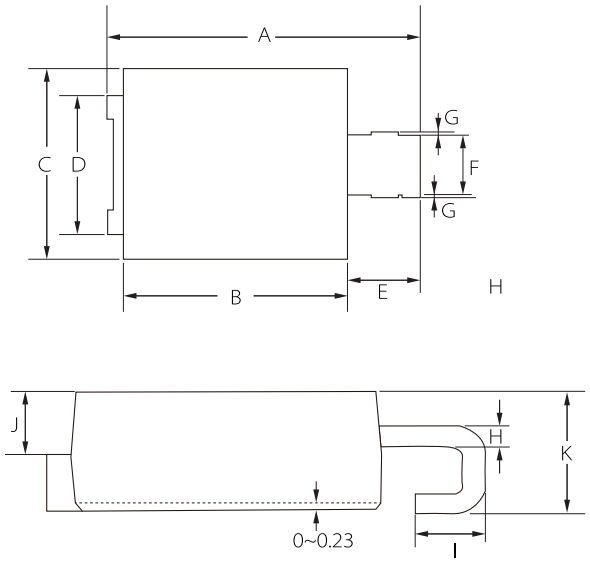
FEATURES

- ISO10605(C=330pF, R=330Ω):±30kV Air , ±30kV(Contact)
- HBM ≥±8kV & CDM ≥±2kV
- Rated for load dump protection (ISO16750-2)in automotive applications
- Meets ISO7637-2 Requirements
- Meets MSL Level 1 per J-STD-020
- Meet AEC-Q101 Requirements
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC61249 standard



Schematic Symbol

DO-218MINI PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	11.50	12.50	0.453	0.492
B	8.20	8.80	0.323	0.346
C	7.70	8.70	0.303	0.342
D	6.00		0.236	
E	2.80		0.110	
F	2.60		0.102	
G	-	0.20	-	0.008
H	0.66		0.026	
I	1.90		0.075	
J	1.80	2.30	0.071	0.090
K	3.20	4.00	0.126	0.157

Part Number	Device Marking Code	Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}	Reverse Leakage @V_{RWM} T_J=175°C
		V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)(1)	I_R(uA)(1)	I_R(uA)
SMD8S14A	SMD8S14A	14.0	15.6	17.2	5.0	23.2	284	1.0	150
SMD8S15A	SMD8S15A	15.0	16.7	18.5	5.0	24.4	270	1.0	150
SMD8S16A	SMD8S16A	16.0	17.8	19.7	5.0	26.0	254	1.0	150
SMD8S17A	SMD8S17A	17.0	18.9	20.9	5.0	27.6	239	1.0	150
SMD8S18A	SMD8S18A	18.0	20.0	22.1	5.0	29.2	226	0.5	150

Part Number	Device Marking Code	Reverse Stand-off Voltage	Breakdown Voltage Min.@I_T	Breakdown Voltage Max.@I_T	Test Current	Maximum Clamping Voltage @I_{PP}	Peak Pulse Current	Reverse Leakage @V_{RWM}	Reverse Leakage @V_{RWM} T_J=175°C
		V_{RWM}(V)	V_{BR}(V)	V_{BR}(V)	I_T(mA)	V_C(V)	I_{PP}(A)(1)	I_R(uA)(1)	I_R(uA)
SMD8S20A	SMD8S20A	20.0	22.2	24.5	5.0	32.4	204	0.5	150
SMD8S22A	SMD8S22A	22.0	24.4	26.9	5.0	35.5	186	0.5	150
SMD8S24A	SMD8S24A	24.0	26.7	29.5	5.0	38.9	170	0.5	150
SMD8S26A	SMD8S26A	26.0	28.9	31.9	5.0	42.1	157	0.5	150
SMD8S28A	SMD8S28A	28.0	31.1	34.4	5.0	45.4	145	0.5	150
SMD8S30A	SMD8S30A	30.0	33.3	36.8	5.0	48.4	136	0.5	150
SMD8S33A	SMD8S33A	33.0	36.7	40.6	5.0	53.3	124	0.5	150
SMD8S36A	SMD8S36A	36.0	40.0	44.2	5.0	58.1	114	0.5	150
SMD8S40A	SMD8S40A	40.0	44.4	49.1	5.0	64.5	102	0.5	150
SMD8S43A	SMD8S43A	43.0	47.8	52.8	5.0	69.4	95	0.5	150
SMD8S48A	SMD8S48A	48.0	53.3	58.7	5.0	80.6	82	0.5	150

NOTES:

1.Non-repetitive current pulse per Fig.3 and derated above TA=25°C per Fig.1

SEMIWARE

Build Your Design As You Will

Technical support：400-021-5756
Http://www.semiware.com