

FEATURES

- Excellent capability of absorbing transient surge
- Quick response to surge voltage
- Eliminates over voltage caused by fast rising transients
- Solid-state silicon technology, non degenerative



DO-15



Schematic Symbol

APPLICATIONS

- Audio/Video line
- Network and telecom
- Data lines and security systems
- Serial ports

APPROVALS

RoHS	Compliance with 2011/65/EU
HF	Compliance with IEC61249-2-21:2003

ELECTRICAL CHARACTERISTICS

Part Number	Marking	V_{DRM}	V_S	V_T	I_{DRM}	I_S	I_T	I_H	C_o
		Min. (V)	Max. (V)	Max. (V)	Max. (μA)	mA	Max. (A)	Min. (mA)	Typ. (pF)
P0060LB	P006LB	6	15	4	5	800	2.2	40	80
P0080LB	P008LB	6	25	4	5	800	2.2	40	80
P0150LB	P015LB	15	25	4	5	800	2.2	40	80
P0300LB	P03LB	25	40	4	5	800	2.2	40	80
P0640LB	P06LB	58	77	4	5	800	2.2	120	60
P0720LB	P07LB	65	88	4	5	800	2.2	120	60
P0900LB	P09LB	75	98	4	5	800	2.2	120	55
P1100LB	P11LB	90	130	4	5	800	2.2	120	55
P1300LB	P13LB	120	160	4	5	800	2.2	120	55
P1500LB	P15LB	140	180	4	5	800	2.2	120	60
P1800LB	P18LB	170	220	4	5	800	2.2	120	60
P2300LB	P23LB	190	260	4	5	800	2.2	120	55
P2600LB	P26LB	220	300	4	5	800	2.2	120	50
P3100LB	P31LB	275	350	4	5	800	2.2	120	45
P3500LB	P35LB	320	400	4	5	800	2.2	120	40
P4200LB	P42LB	400	520	4	5	800	2.2	≤50	40

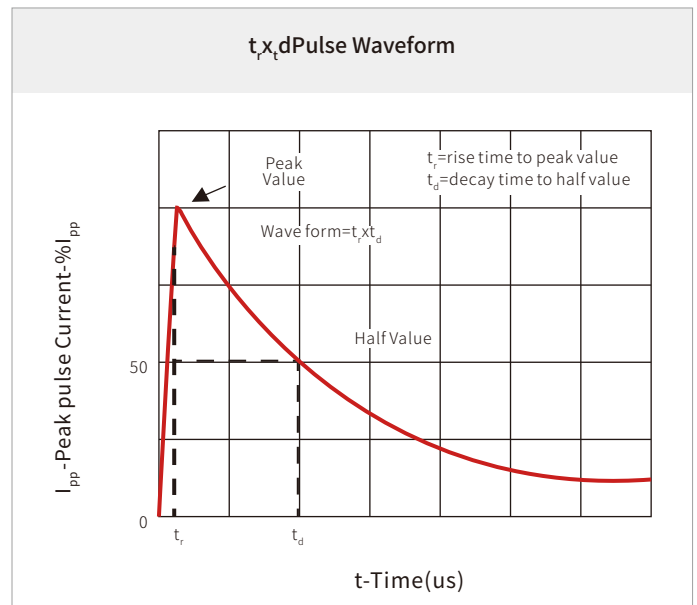
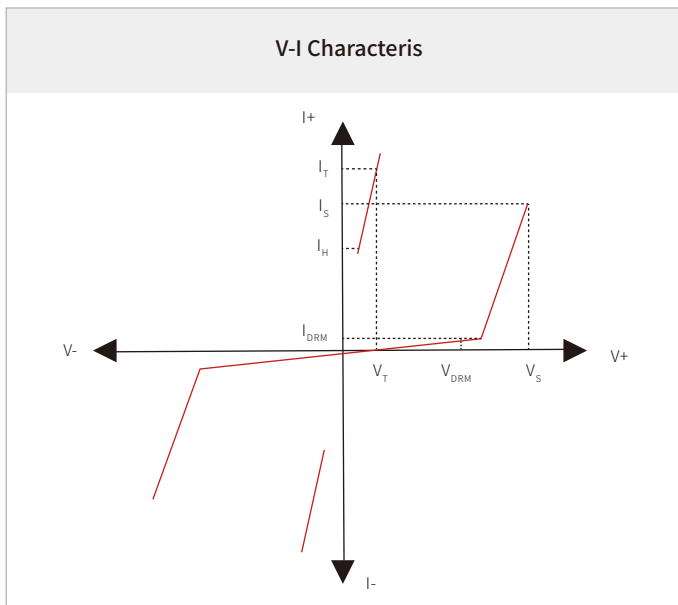
SURGE RATINGS

Part Number	I_{PP} 2x10us	I_{PP} 8x20us	I_{PP} 10x560us	I_{PP} 10x1000us	V_{PP} 10x700us	I_{TSM} 60Hz	d_i/d_t
	(A)	(A)	(A)	(A)	(V)	(A)	(A/us)
P0060LB Thru P4200LB	300	300	100	80	4000	32	500

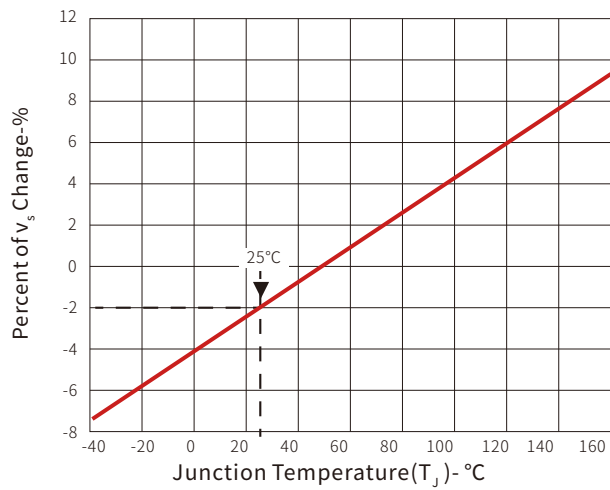
THERMAL CONSIDERATIONS

Symbol	Parameter	Value	Unit
$R_{\theta JA}$	Junction to Ambient on printed circuit	70	°C/W
T_J	Operating Junction Temperature	-40 to +150	°C
T_{STG}	Storage Temperature Range	-40 to +150	°C

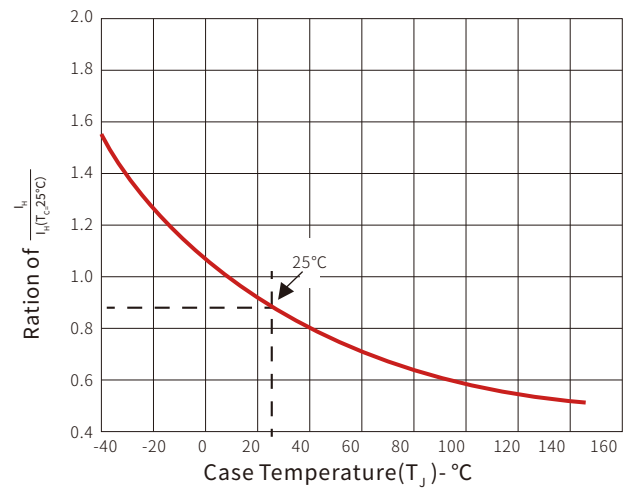
RATINGS AND CHARACTERISTIC CURVES ($T_A=25^\circ\text{C}$)



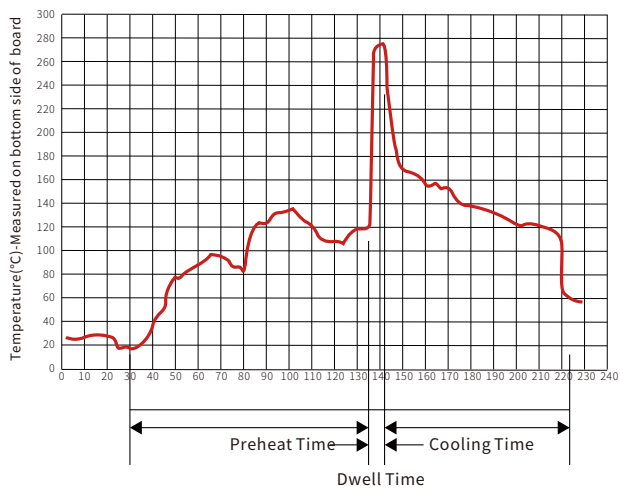
Normalized VSChange vs. Junction Temperature



Normalized DC Holding Current vs. Case Temperature

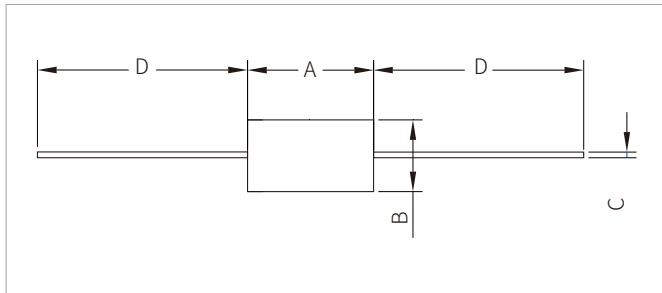


WAVE SOLDERING



Wave Parameter		Lead-free assembly
Pre Heat	Temperature Min	100°C
	Temperature Max	150°C
	Time(min to max)	60 – 180 secs
Solder pot Temperature		280°C Max
Solder Dwell Time		2-5 seconds

DO-15 PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	5.80	7.60	0.230	0.300
B	2.60	3.60	0.104	0.140
C	0.70	0.90	0.026	0.034
D	25.40	-	1.000	-

ORDERING INFORMATION

Part Number	Component Package	QTY/Box	QTY/Reel	Reel Size
PxxxxLB	DO-15	2000pcs	4000pcs	13"

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