

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 degenera





APPLICATIONS

APPROVALS

Audio/Video line

Network and telecom

| Data lines and security systems

Serial ports

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

ELECTRICAL CHARACTERISTICS

Part Number	Marking	$V_{\scriptscriptstyle DRM}$	V_s	$V_{_{T}}$	l _{DRM}	I _s	I _T	I _H	C_{o}
rait Namber	Murking	Min. (V)	Max. (V)	Max. (V)	Max. (μA)	mA	Max. (A)	Min. (mA)	Typ.(pF)
P0640FA	P06A	58.0	77.0	4.0	5.0	800.0	2.2	120.0	35.0

SURGE RATINGS

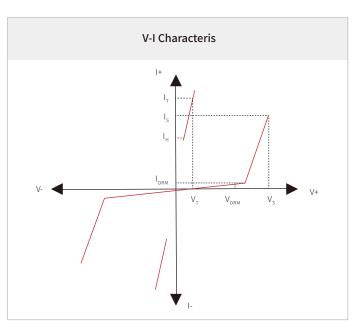
Part Number	Ι _{թթ} 2x10μs	Ι _{թթ} 8x20μs	Ι _{թթ} 10x560μs	Ι _{ΡΡ} 10x1000μs	V _{PP} 10x700μs	I _{тsм} 50/60Hz	d _i /d _t
rait Namber	(A)	(A)	(A)	(A)	(V)	(A)	(A/μs)
P0640FA	150	150	100	45	3000	20	500

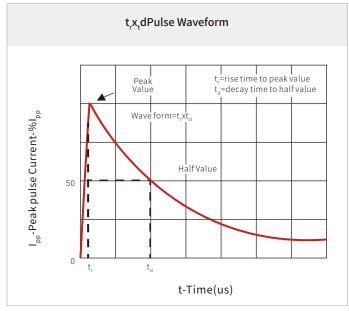


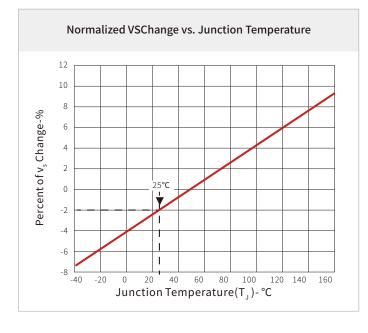
THERMAL CONSIDERATIONS

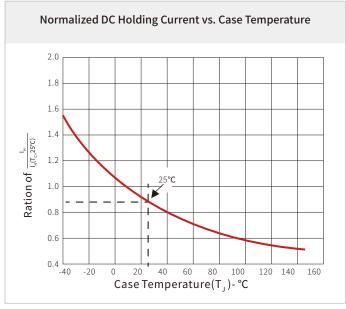
Symbol	Parameter	Value	Unit
$R_{\theta JA}$	Junction to Ambient on printed circuit	220	°C/W
T _J	Operating Junction Temperature	-55 to +125	°C
T_{STG}	Storage Temperature Range	-55 to +150	°C

RATINGS AND CHARACTERISTIC CURVES ($T_A = 25$ °C)





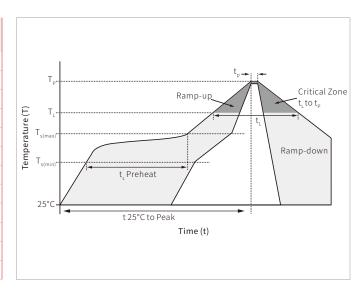




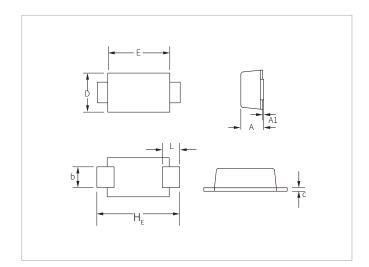


SOLDERING PARAMETERS

	Reflow Condition	Lead-free assembly	
	Temperature Max (T _{s(min)})	150°C	
Pre Heat	Temperature Max (T _{s(max)})	200°C	
	Time (min to max) (t_s)	60 – 180 secs	
Average rar	mp up rate (Liquidus Temp (T_L) to peak	3°C/second max	
	T _{s(max)} to T _L - Ramp-up Rate	3°C/second max	
Reflow	Temperature (T」) (Liquidus)	217°C	
Kellow	Time (min to max) (t₁)	60 – 150 seconds	
Peak Ten	nperature (T₅)	260°C	
Time with	nin 5°C of actual peak Temperature (t _p)	20 – 40 seconds	
Ramp-down Rate		6°C/second max	
Time 25°	C to peak Temperature (T♭)	8 minutes max.	
Do not ex	cceed	260°C	



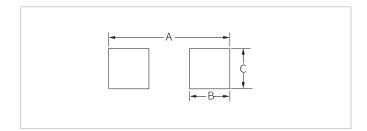
SOD-123FL PACKAGE INFORMATION



Ref.	IVIILLIII	ieters	inches		
Kei.	Min.	Max.	Min.	Max.	
А	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	
С	0.05	0.30	0.002	0.012	
D	1.50	2.00	0.059	0.079	
Е	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	



RECOMMENDED PAD LAYOUT DIMENSIONS



Ref.	Millimeters	Inches
А	4.20	0.165
В	1.50	0.059
С	1.20	0.047

ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
P0640FA	SOD-123FL	3000PCS	7"



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By QR Code





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