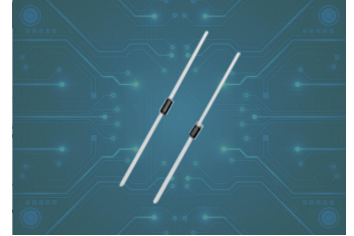


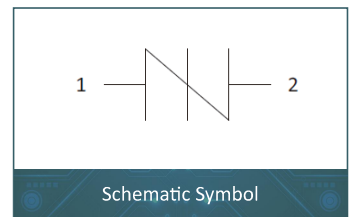
1. FEATURES

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



2. APPLICATIONS

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



3. THERMAL CONSIDERATIONS

Symbol	Parameter	Value	Unit
$R_{\theta JA}$	Junction to Ambient on printed circuit	90	°C/W
T_J	Operating Junction Temperature	-55 to +150	°C
T_{STG}	Storage Temperature Range	-55 to +150	°C

4. ELECTRICAL CHARACTERISTICS

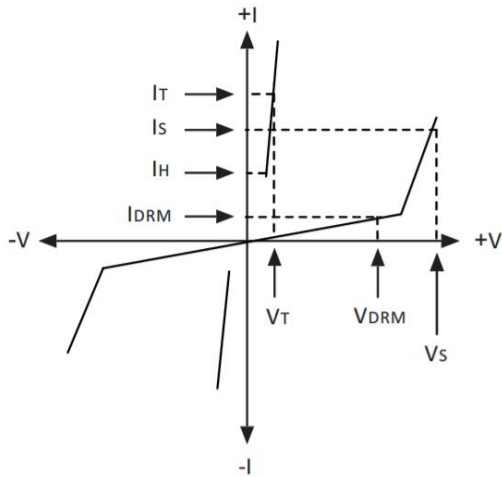
Part Number	V_{DRM}	I_{DRM}	V_S	I_S	V_T	I_T	I_H	C_o
	Min.(V)	Max.(μA)	Max.(V)	mA	Max.(V)	A	mA	Max.(pF)
P2300LA	190.0	5.0	260.0	800.0	4.0	2.2	≥120	35.0

5. SURGE RATINGS

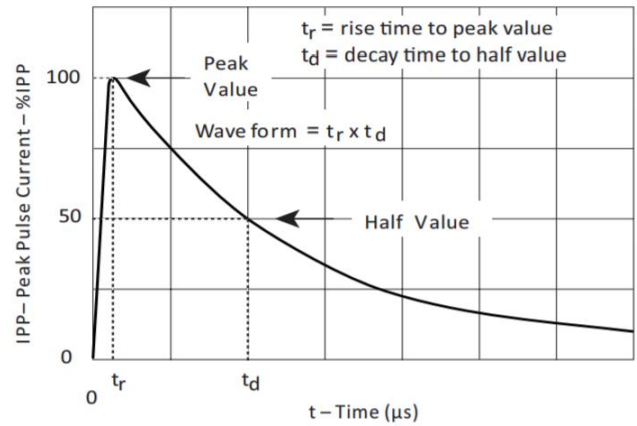
Part Number	I_{PP} 2x10μS	I_{PP} 8x20μS	I_{PP} 10x560μS	I_{PP} 10x1000μS	I_{PP} 10x700μS	I_{TSM} 60HZ	d_f/d_t
	(A)	(A)	(A)	(A)	(A)	(A)	(A/μS)
P2300LA	150	150	50	45	3000	20	500



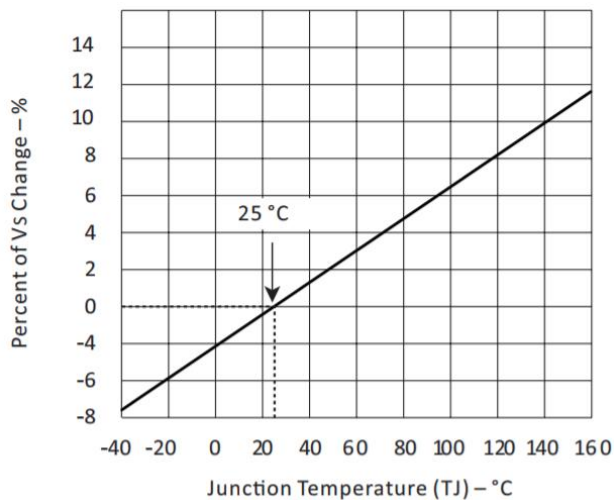
6. CHARACTERISTIC CURVES



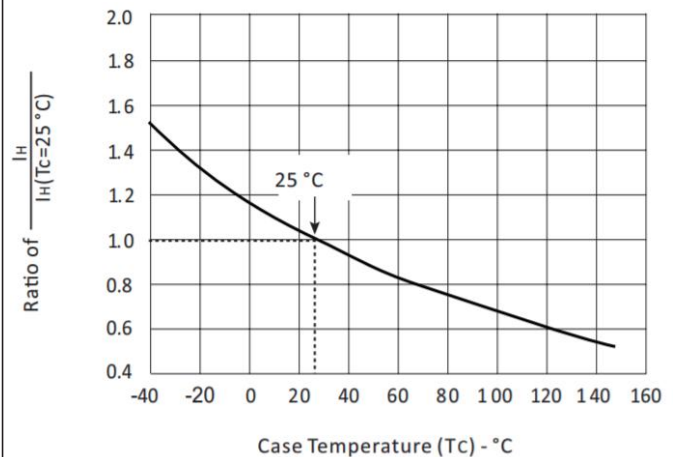
V-I Characteris



$t_r \times t_d$ Pulse Waveform



Normalized V_S Change vs. Junction Temperature

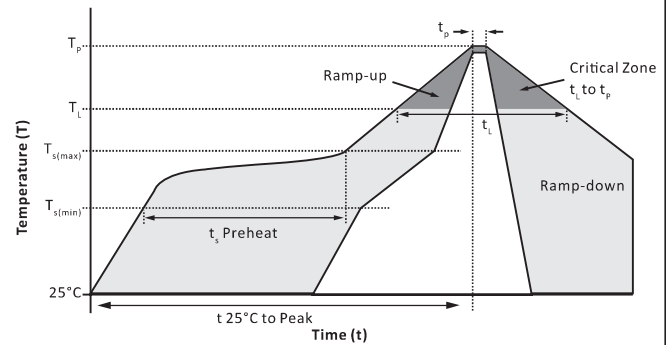


Normalized DC Holding Current vs. Case Temperature



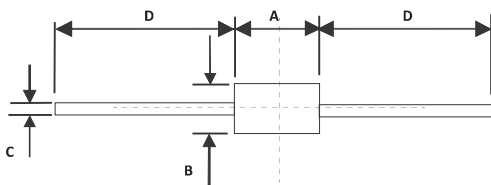
7. SOLDERING PARAMETERS

Reflow Condition		Lead-free assembly
Pre Heat	Temperature Max ($T_{s(min)}$)	150°C
	Temperature Max ($T_{s(max)}$)	200°C
	Time (min to max) (t_s)	60 – 180 secs
Average ramp 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_L) (Liquidus)	217°C
	Time (min to max) (t_l)	60 – 150 seconds
Peak Temperature (T_p)		260°C
Time within 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_p)		8 minutes max.
Do not exceed		260°C



8. DO-15 PACKAGE INFORMATION

Dimension	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	0.230	0.300	5.800	7.600
B	0.104	0.140	2.600	3.600
C	0.026	0.034	0.700	0.900
D	1.000	---	25.400	---



9. ORDERING INFORMATION

Part Number	Component Package	QTY/Box	QTY/Reel	Reel Size
P2300LA	DO-15	2000PCS	4000PCS	13"



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