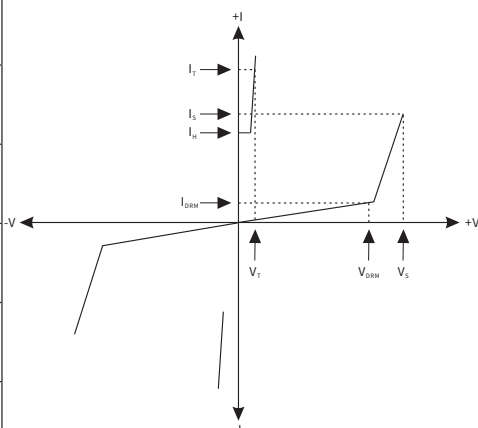


Electrical Parameters

Symbol	Parameter	Unit
V_{DRM} (Off-state Voltage)	Maximum voltage that can be applied while maintaining off state	
V_S (Switching Voltage)	Maximum voltage prior to switching to on state	
V_T (On-state Voltage)	Maximum voltage measured at rated on-state current	
I_{DRM} (Leakage Current)	Maximum peak off-state current measured at V_{DRM}	
I_S (Switching Current)	Maximum current required to switch to on state	
I_T (On-state Current)	Maximum rated continuous on-state current	
I_H (Holding Current)	Typical current required to maintain on state	
C_o (Off-state Capacitance)	Typical capacitance measured in off state	

Electrical Characteristics (Ta=25°C Unless otherwise specified)

Part Number	Marking	V_{DRM}	V_S	V_T	I_{DRM}	I_S	I_T	I_H	C_o
		(V)	(V)	(V)	(μA)	(mA)	(A)	(mA)	(pF)
P0080SA	P008A	6	25	4	5	800	2.2	50	50
P0300SA	P03A	25	40	4	5	800	2.2	50	70
P0640SA	P06A	58	77	4	5	800	2.2	150	50
P0720SA	P07A	65	88	4	5	800	2.2	150	50
P0900SA	P09A	75	98	4	5	800	2.2	150	45
P1100SA	P11A	90	130	4	5	800	2.2	150	45
P1300SA	P13A	120	160	4	5	800	2.2	150	45
P1500SA	P15A	140	180	4	5	800	2.2	150	40
P1800SA	P18A	170	220	4	5	800	2.2	150	40
P2000SA	P20A	180	220	4	5	800	2.2	150	40
P2300SA	P23A	190	260	4	5	800	2.2	150	35
P2600SA	P26A	220	300	4	5	800	2.2	150	35
P3100SA	P31A	275	350	4	5	800	2.2	150	30
P3500SA	P35A	320	400	4	5	800	2.2	150	30

● Electrical Characteristics (Ta=25°C Unless otherwise specified)

Part Number	Marking	V _{DRM}	V _S	V _T	I _{DRM}	I _S	I _T	I _H	C _O
		(V)	(V)	(V)	(μA)	(mA)	(A)	(mA)	(pF)
P0080SB	P008B	6	25	4	5	800	2.2	50	70
P0300SB	P03B	25	40	4	5	800	2.2	50	70
P0640SB	P06B	58	77	4	5	800	2.2	150	60
P0720SB	P07B	65	88	4	5	800	2.2	150	60
P0900SB	P09B	75	98	4	5	800	2.2	150	55
P1100SB	P11B	90	130	4	5	800	2.2	150	55
P1300SB	P13B	120	160	4	5	800	2.2	150	55
P1500SB	P15B	140	180	4	5	800	2.2	150	60
P1800SB	P18B	170	220	4	5	800	2.2	150	60
P2000SB	P20B	180	220	4	5	800	2.2	150	60
P2300SB	P23B	190	260	4	5	800	2.2	150	55
P2600SB	P26B	220	300	4	5	800	2.2	150	50
P3100SB	P31B	275	350	4	5	800	2.2	150	45
P3500SB	P35B	320	400	4	5	800	2.2	150	40
P0080SC	P008C	6	25	4	5	800	2.2	50	100
P0300SC	P03C	25	40	4	5	800	2.2	50	100
P0640SC	P06C	58	77	4	5	800	2.2	150	100
P0720SC	P07C	65	88	4	5	800	2.2	150	100
P0900SC	P09C	75	98	4	5	800	2.2	150	90
P1100SC	P11C	90	130	4	5	800	2.2	150	90
P1300SC	P13C	120	160	4	5	800	2.2	150	90
P1500SC	P15C	140	180	4	5	800	2.2	150	85
P1800SC	P18C	170	220	4	5	800	2.2	150	85
P2000SC	P20C	180	220	4	5	800	2.2	150	85
P2300SC	P23C	190	260	4	5	800	2.2	150	80
P2600SC	P26C	220	300	4	5	800	2.2	150	80
P3100SC	P31C	275	350	4	5	800	2.2	150	65
P3500SC	P35C	320	400	4	5	800	2.2	150	65

Notes :

(1)V_S is measured at 100KV/S ;

(2)Off-state capacitance(CO) is measured at 1 MHz with a 2V bias and is typical value

● Surge Ratings

Series	I _{PP} 8×20μs (A)	I _{PP} 10×1000μs (A)	I _{TSM} 60Hz (A)	di/dt(A/μs)
A	150	45	20	500
B	250	80	30	500
C	400	100	50	500

● Ratings And Characteristics Curves (Ta=25°C Unless otherwise specified)

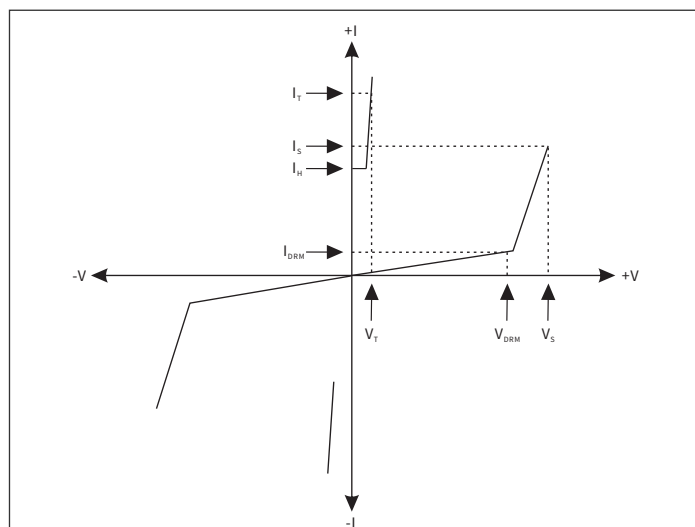


Fig. 1 I-V Characteristics

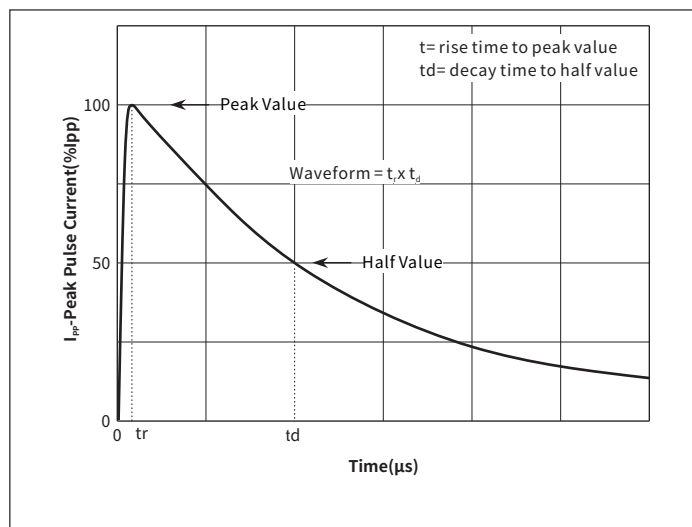


Fig. 2 tr X td Pulse Waveform

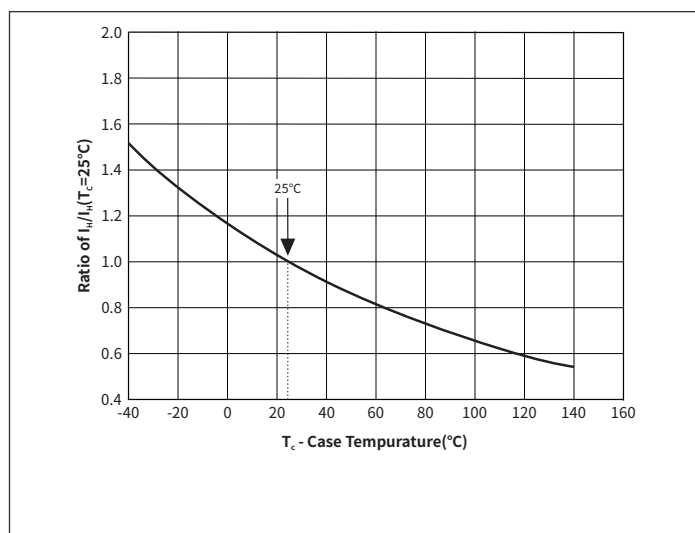


Fig. 3 Tj-Junction Temperature(°C)

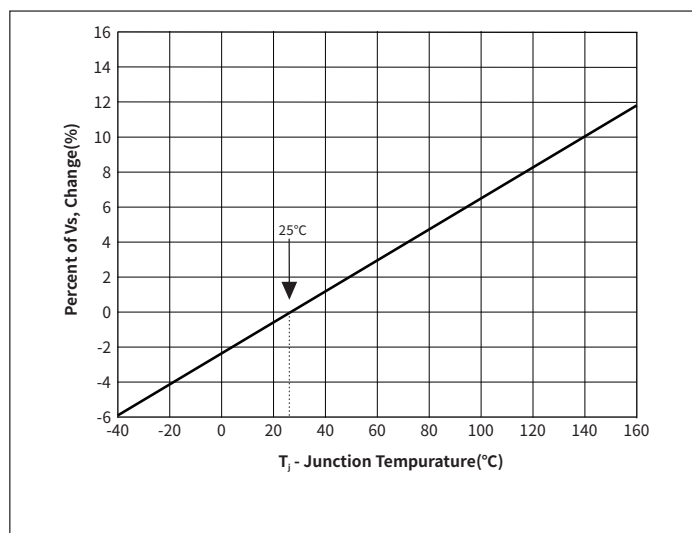
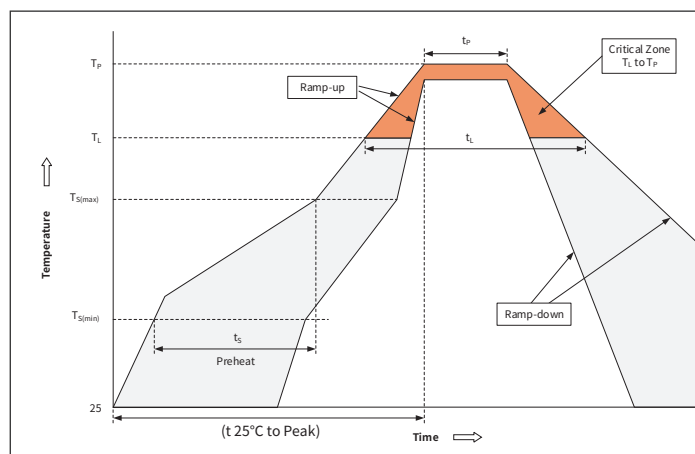


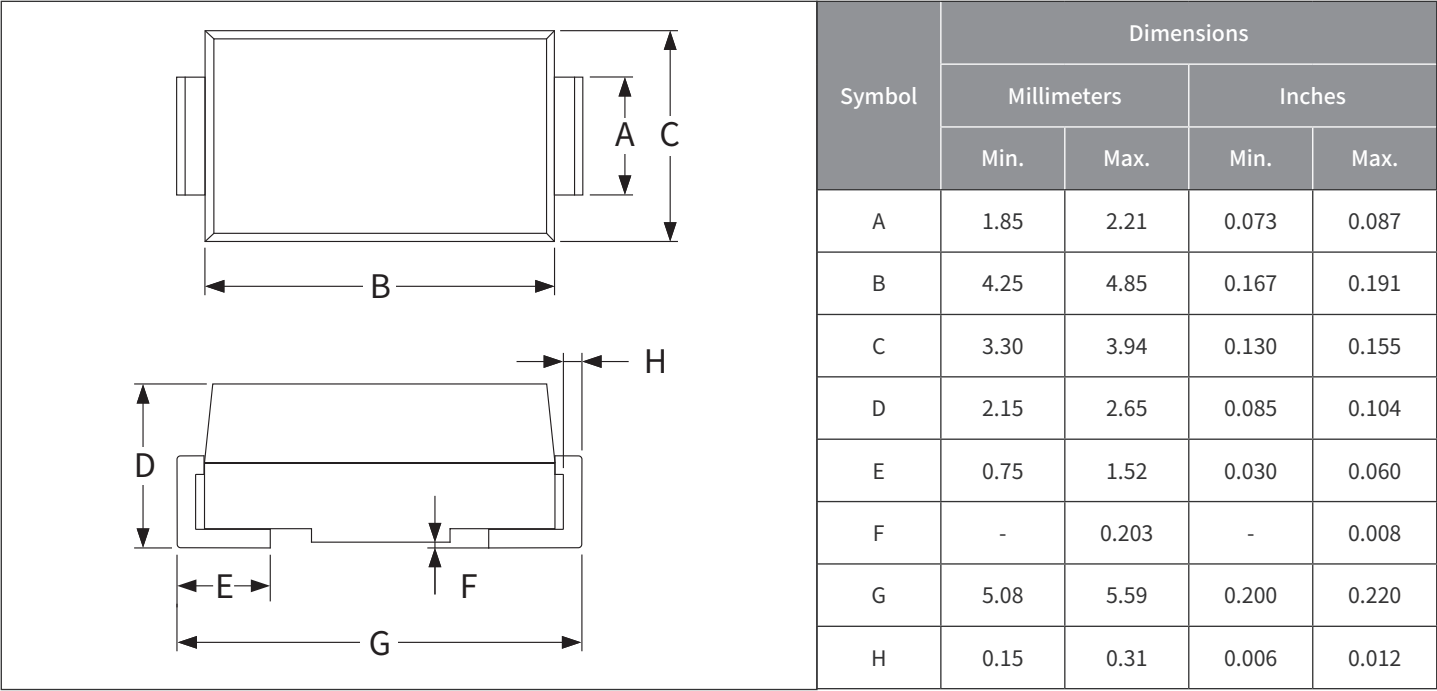
Fig. 4 Normalized DC Holding Current vs. Case Temperature

● Soldering Parameters



Profile Feature		Pb-Free Assembly
Pre-heat	Temperature Min (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 (Liquid us Temp (T _L) to peak)		3°C /sec. Max
T _{S(max)} to T _L - Ramp-up Rate		3°C /sec. Max
Reflow	Temperature(T _L)(Liquid us)	+217°C
	Temperature(t _L)	60-150 secs.
Peak Temp (T _P)		+260(+0/-5)°C
Time within 5°C of actual Peak Temp (T _P)		30 secs. Max
Ramp-down Rate		6°C /sec. Max
Time 25°C to Peak Temp (T _P)		8 min. Max
Do not exceed		+260°C

● Package Outline Dimensions (SMB/DO-214AA)



● Ordering Information

PACKAGE	DELIVERY MODE	REEL(pcs)
SMB	13"	3000

● Packaging (SMB/DO-214AA)

