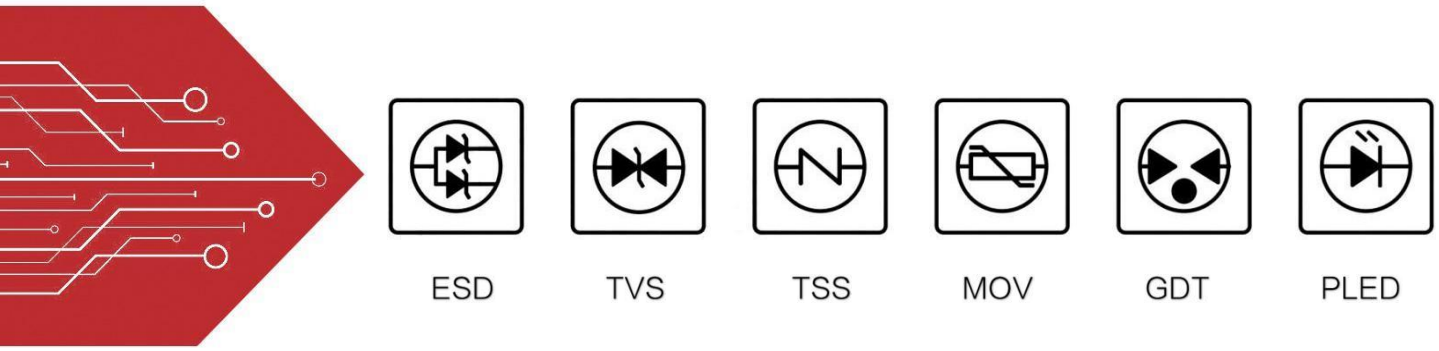
MSKSEMI
SEMICONDUCTOR



Product data sheet

SURGE RATINGS

PART NUMBER	VPP 10x700us (V)
P0080FA-MS	3KV

SOD-123FL

PART NUMBER AND ELEC TRICAL PARAMETER @ T=25℃ RH = 45%- 75%

TYPE	VDRM(V)	IDRM(uA)	Vs (v)	Is(ma)	Vr (v)	It(a)	Ih(ma)	CJ
P0080FA-MS	6	5	25	800	4	2.2	40	50

※ Vs is measured at 100KV/S

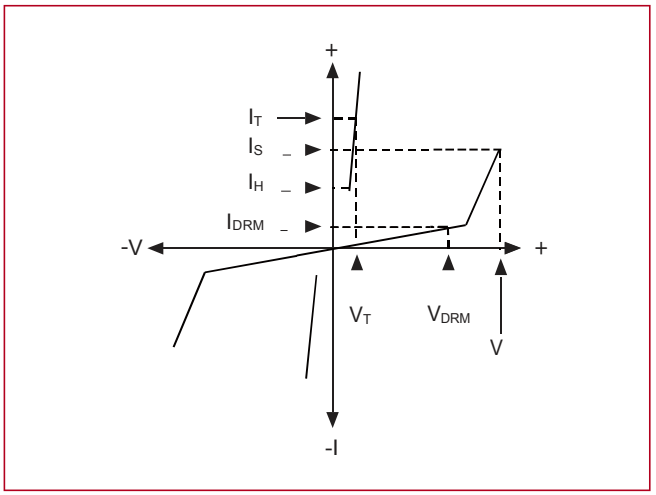
※ Off-state capacitance is measured in VDC=2V, VRMS=1V,F=1MHz

※ All measurements are made at an ambient temperature of 25 ℃

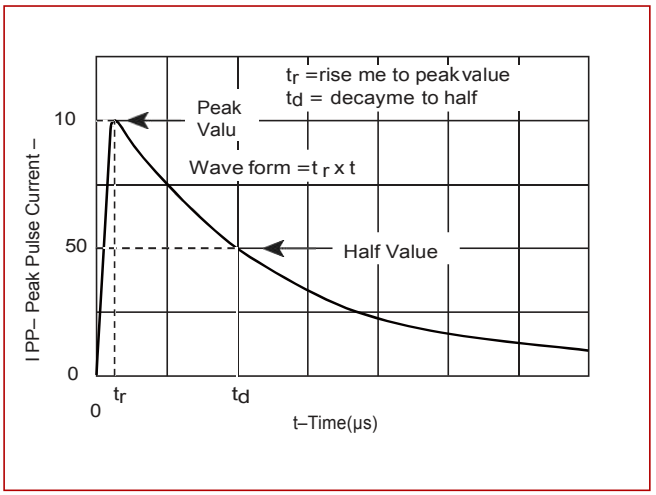
THERMAL CONSIDERATIONS

Symbol	Parameter	Value	Unit
T_J	Operating Junction Temperature	-55 to +125	℃
T_S	Storage Temperature Range	-55 to +150	℃
$R_{\theta JA}$	Junction to Ambient on printed circuit	120	℃/W

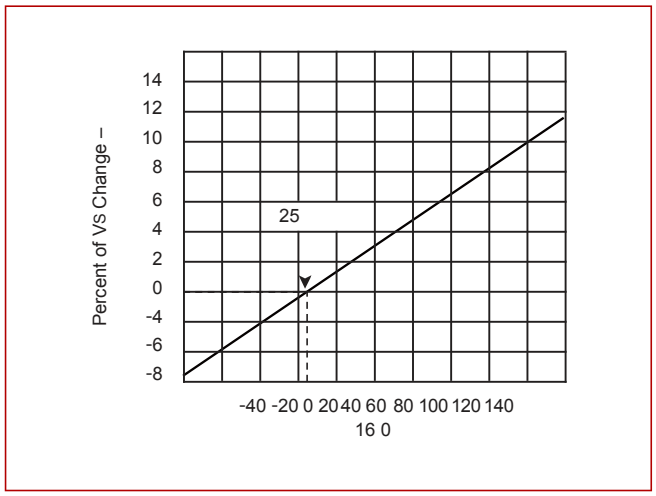
TYPICAL DEVICE CHARACTERISTICS



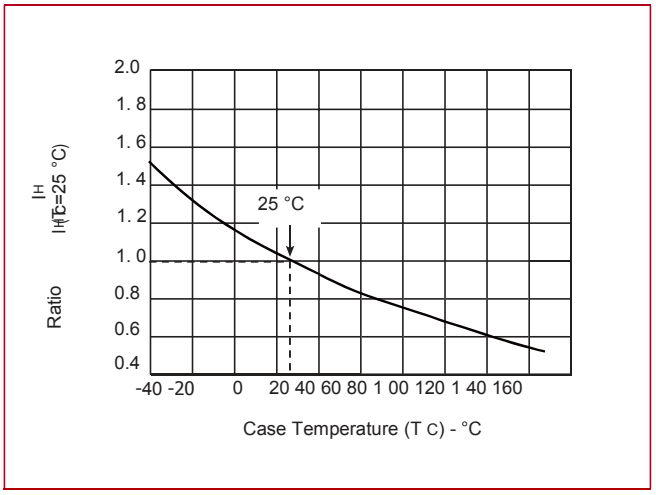
V-I Characteristics



tr x td Pulse Waveform

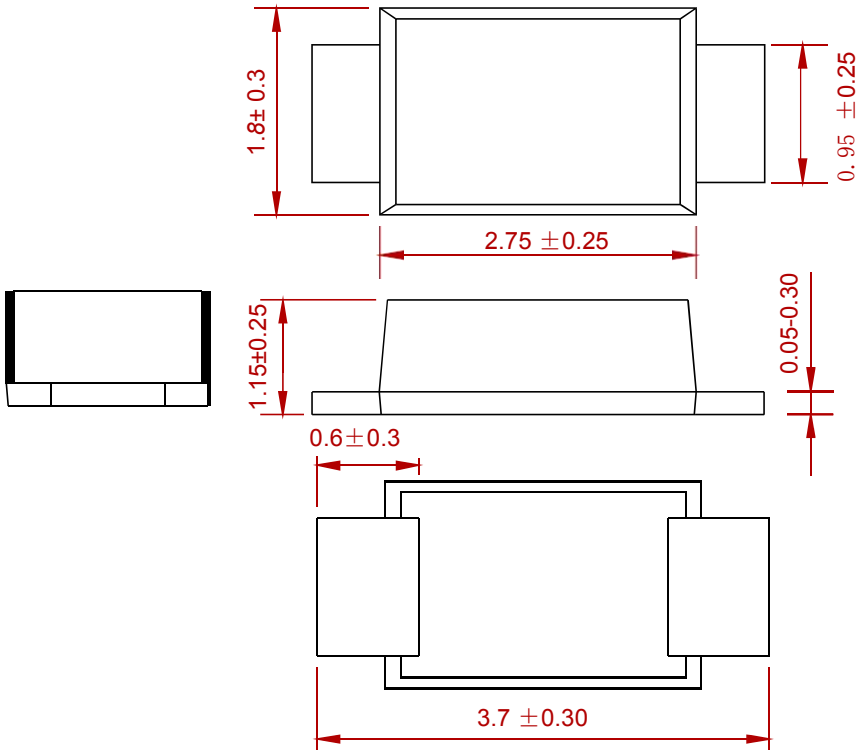


Normalized V_S Change vs. Junction Temperature



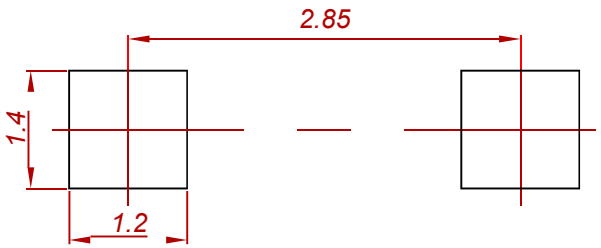
Normalized DC Holding Current vs. Case Temperature

PACKAGE MECHANICAL DATA



Dimensions in millimeters

Suggested Pad Layout



Note:
1.Controlling dimension:in millimeters.
2.General tolerance:± 0.05mm.
3.The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
P0080FA-MS	SOD-123FL	3000

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