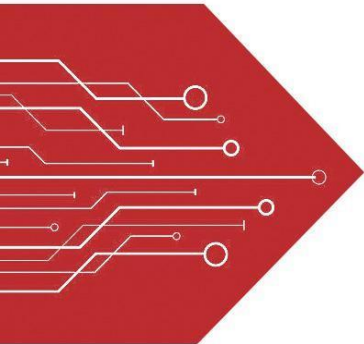


# MSKSEMI

SEMICONDUCTOR



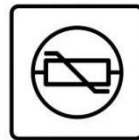
ESD



TVS



TSS



MOV



GDT

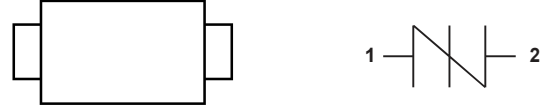


PLED

Product data sheet

**SURGE RATINGS**

<b>PART NUMBER</b>	<b>VPP 10x700u s(V)</b>
P0080FA-MS	3KV



SOD-123FL

**PART NUMBER AND ELECTRICAL PARAMETER @ T=25°C RH = 45%- 75%**

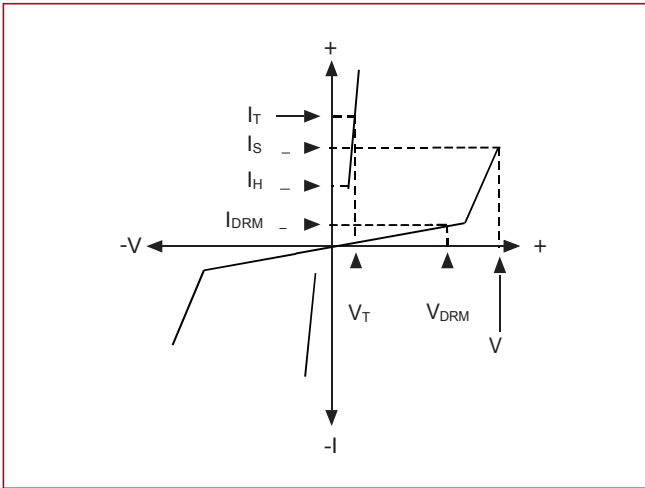
TYPE	VDRM(V)	IDRM(μA)	Vs (v)	Is(ma)	Vr (v)	It(a)	Ih(ma)	CJ
P0080FA-MS	6	5	25	800	4	2.2	40	50

- ※ 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 °C

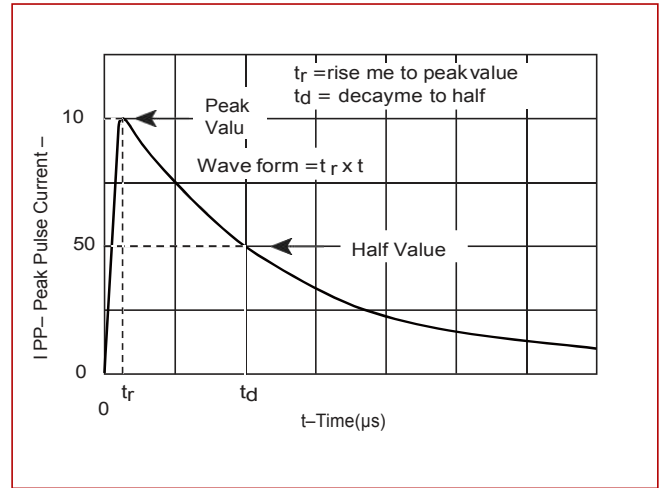
**THERMAL CONSIDERATIONS**

Symbol	Parameter	Value	Unit
T <sub>J</sub>	Operating Junction Temperature	-55 to +125	°C
T <sub>S</sub>	Storage Temperature Range	-55 to +150	°C
R <sub>θJA</sub>	Junction to Ambient on printed circuit	120	°C/W

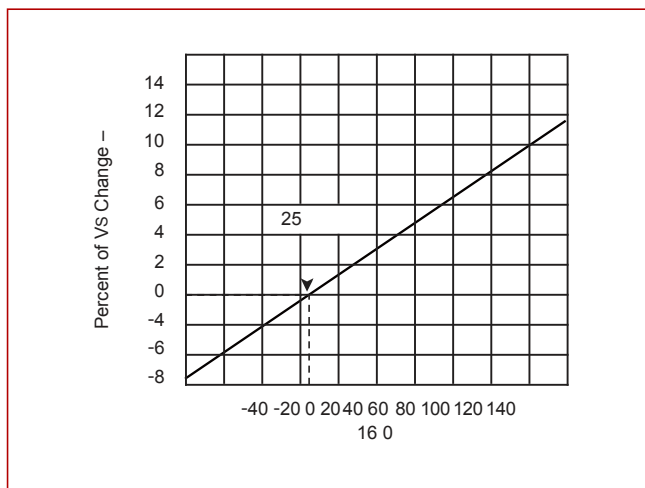
## TYPICAL DEVICE CHARACTERISTICS



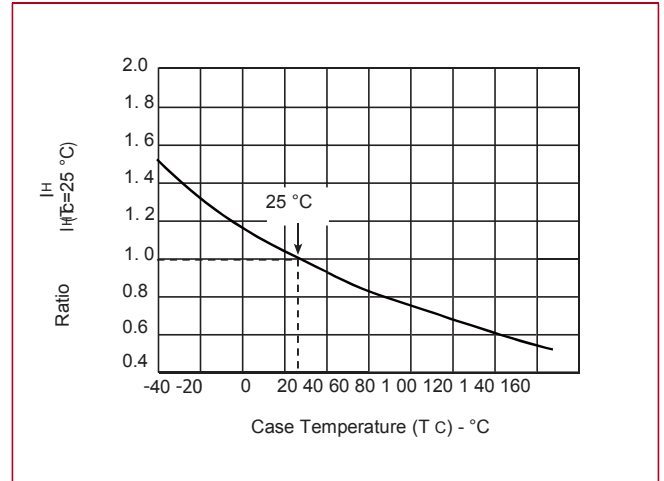
V-I Characteristics



$t_r \times t_d$  Pulse Waveform

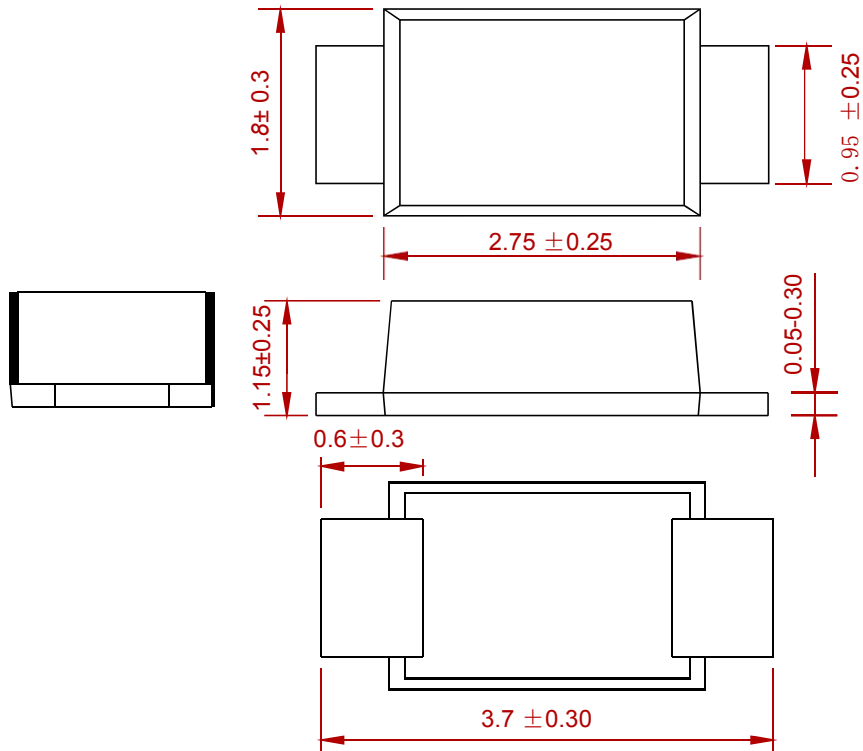


Normalized  $V_S$  Change vs. Junction Temperature



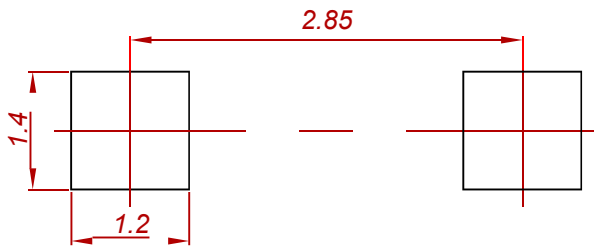
Normalized DC Holding Current vs. Case Temperature

**PACKAGE MECHANICAL DATA**



*Dimensions in millimeters*

**Suggested Pad Layout**



**Note:**

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

**REEL SPECIFICATION**

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

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