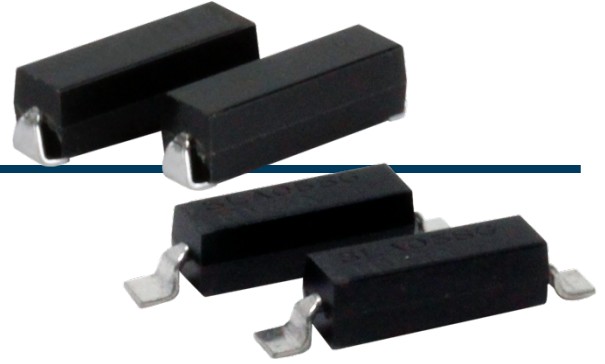




SLP SERIES

5 to 10kV, 450 to 1000mA, 75nS
Surface Mount Diodes



Features

- Long Surface Mount Package
- J Lead or Gullwing Package Option
- Available in Cut Tape and 1000 Piece Reels
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material

Specifications¹

Part Number	V _{RRM} V	I _{FAVM1} ² mA	I _{FAVM2} ² mA	I _{FAVM3} ² mA	V _F V	I _R μA	I _{FSM} A	C _J pF	T _{RR} nS	R _{θJL} °C/W	R _{θJC} °C/W
J Lead Subseries (Figure 1)											
SLP05M	5000	1000	500	500	8.5	0.5	15	7.5	75	17	27
SLP10M	10000	450	230	300	15.8	0.5	15	3.7	75	17	27
Gullwing Subseries (Figure 2)											
SLP05MG	5000	1000	500	500	8.5	0.5	15	7.5	75	17	27
SLP10MG	10000	450	230	300	15.8	0.5	15	3.7	75	17	27

Temperature °C	
Operating Temperature	-55 to 150
Storage Temperature	-55 to 175
Maximum Junction Temperature	150

¹25°C ambient temperature unless stated otherwise.

²Check Specification Definitions for conditions details.

Drawings

Dimensions in inches [mm], tolerances ±0.020 except as noted

Figure 1 – J Lead Subseries

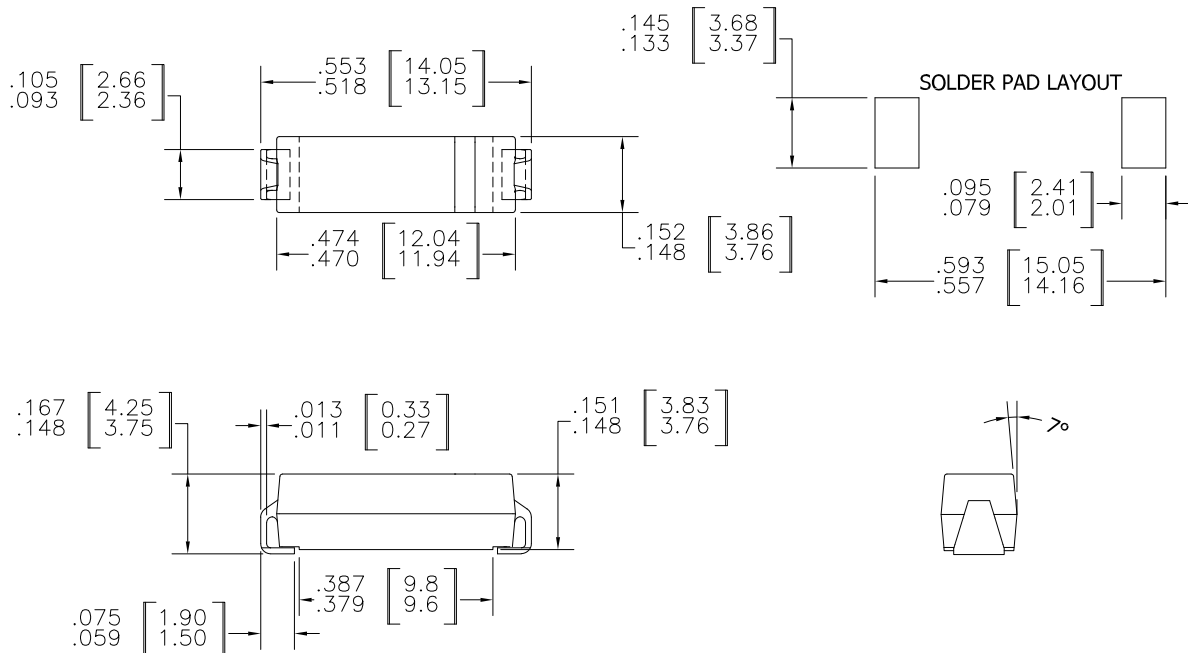
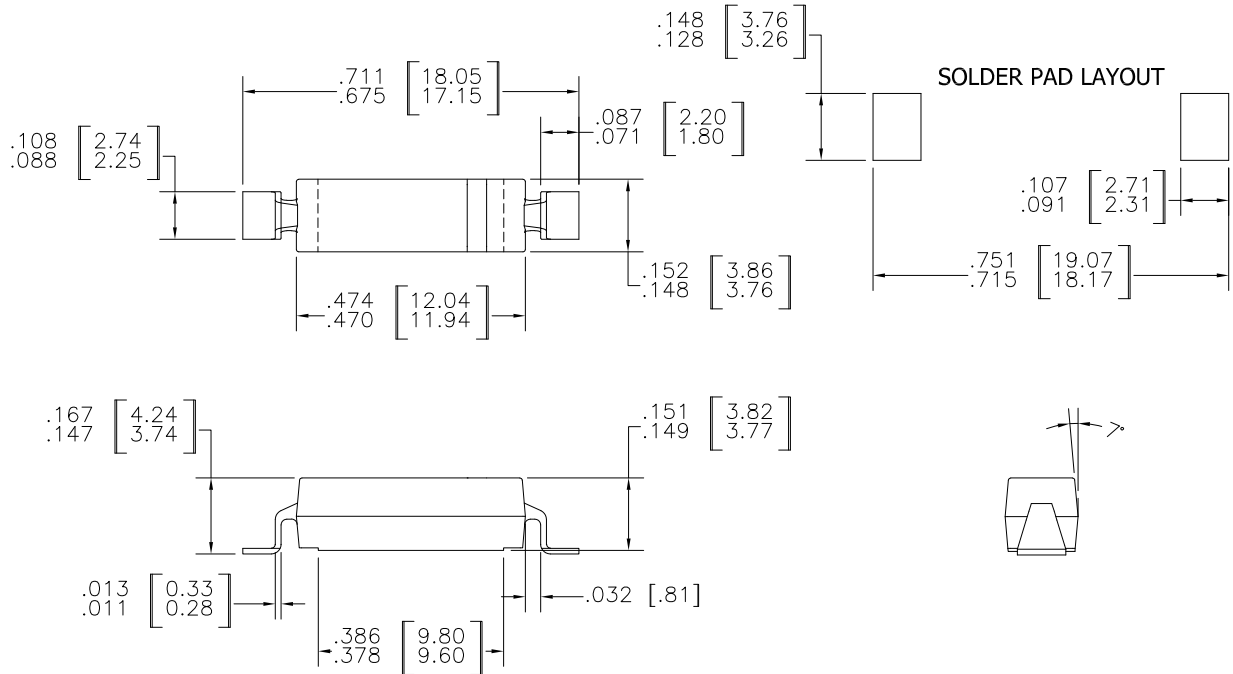
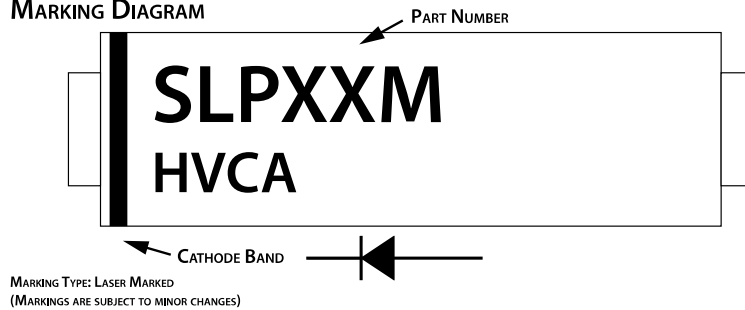




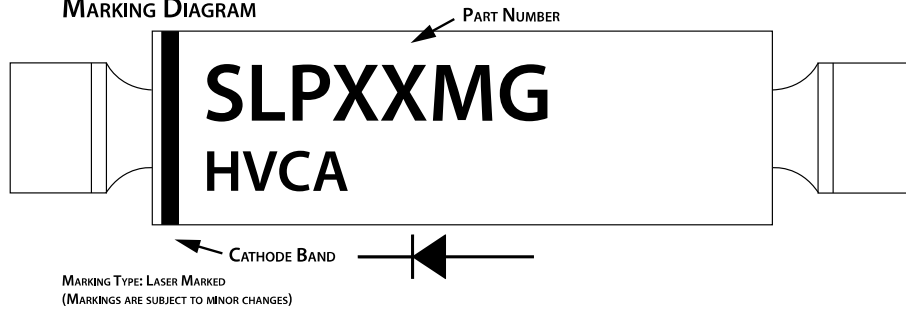
Figure 2 – Gullwing Subseries

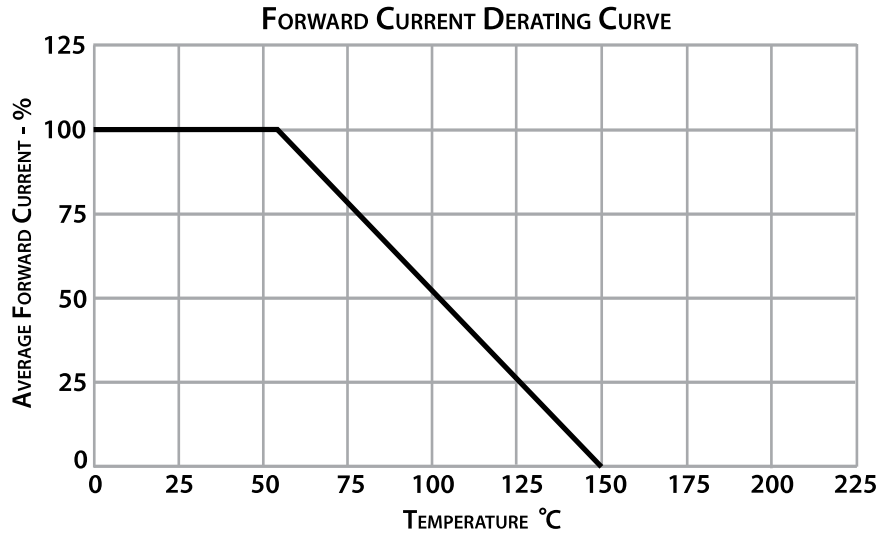


MARKING DIAGRAM



MARKING DIAGRAM





Specification Definitions

	Specifications	Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	-
I_{FAVM1}	Maximum Average Forward Current	At T _L = 55°C
I_{FAVM2}	Maximum Average Forward Current	At T _L = 100°C
I_{FAVM3}	Maximum Average Forward Current	At T _C = 80°C
V_F	Maximum Forward Voltage Drop	At 200mA
I_R	Maximum Leakage Current	At V _{RRM}
I_{FSM}	Maximum Surge Current	At 8.3 mS, Single Half Sine
C_J	Typical Junction Capacitance	At V _R = 0VDC, f = 1MHz
T_{RR}	Maximum Reverse Recovery Time	I _F = 100mA; I _R = -200mA; I _{RR} = -50mA
R_{θJL}	Typical Thermal Resistance Junction to Lead	Device Mounted on 0.2" x 0.2" (5mm x 5mm) Copper Solder Pads
R_{θJC}	Typical Thermal Resistance Junction to Case	Device Mounted on 0.2" x 0.2" (5mm x 5mm) Copper Solder Pads

Note: Specifications subject to change without notice. Photo is representation only.

