Features

- Guard Ring Protection
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Low Forward Voltage
- High Current Capability
- Halogen Free. “Green” Device (Note 2)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1

2 Amp Schottky Rectifier 20 to 100 Volts

Maximum Ratings

- Operating Junction Temperature Range: -55ºC to +125ºC
- Storage Temperature Range: -55ºC to +150ºC
- Typical Thermal Resistance: 25°C/W Junction to Lead
- Typical Thermal Resistance: 65°C/W Junction to Ambient

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SS22FL	SS22	20V	14V	20V
SS23FL	SS23	30V	21V	30V
SS24FL	SS24	40V	28V	40V
SS25FL	SS25	50V	35V	50V
SS26FL	SS26	60V	42V	60V
SS28FL	SS28	80V	56V	80V
SS210FL	SS210	100V	70V	100V

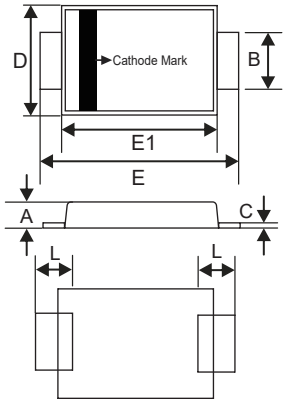
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0A	T_L=75ºC
Peak Forward Surge Current	I_{FSM}	50A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage SS22FL-SS24FL SS25FL-SS26FL SS28FL-SS210FL	V_F	0.55V 0.70V 0.85V	I_{FM}=2.0A; T_J=25ºC*
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	0.1mA	T_J=25ºC
Typical Junction Capacitance SS22FL SS23FL-SS210FL	C_J	230pF 50pF	Measured at 1.0MHz, V_R=4.0V

*Pulse test: Pulse width 300 μsec, Duty cycle 2% Note :

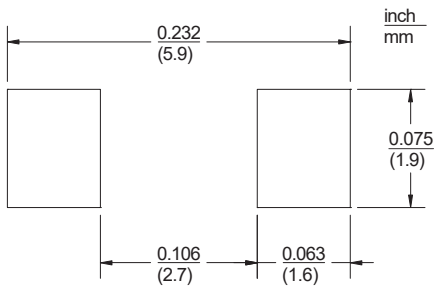
1. High Temperature Solder Exemption Applied, see EU Directive Annex 7a
2. Halogen free "Green” products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

DO-221AC(SMA-FL)



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.035	0.049	0.90	1.25	
B	0.049	0.065	1.25	1.65	
C	0.004	0.016	0.10	0.40	
D	0.089	0.116	2.25	2.95	
E	0.173	0.220	4.40	5.60	
E1	0.126	0.181	3.20	4.60	
L	0.020	0.059	0.50	1.50	

Suggested Solder Pad Layout



Curve Characteristics

Fig. 1 - Forward Current Derating Curve

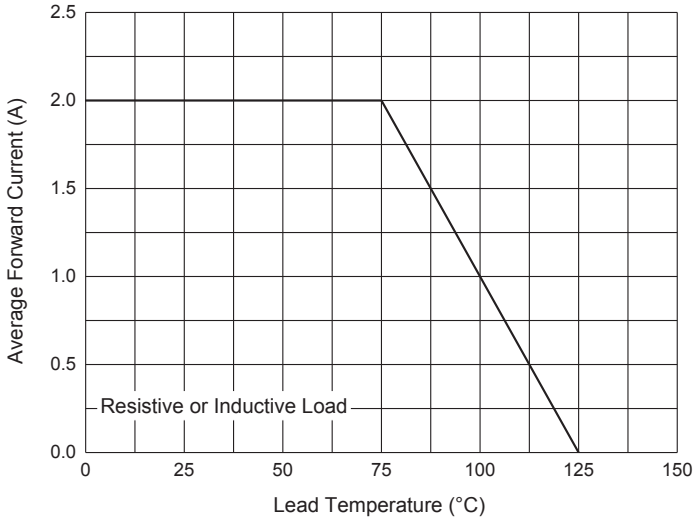


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

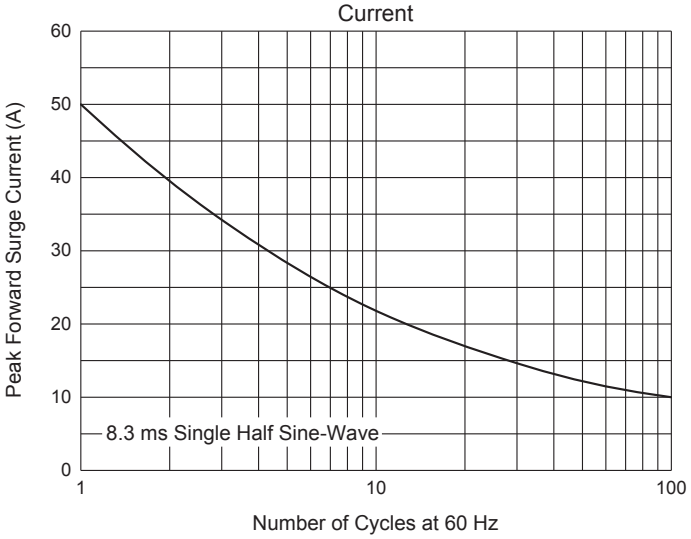


Fig. 3 - Typical Instantaneous Forward Characteristics

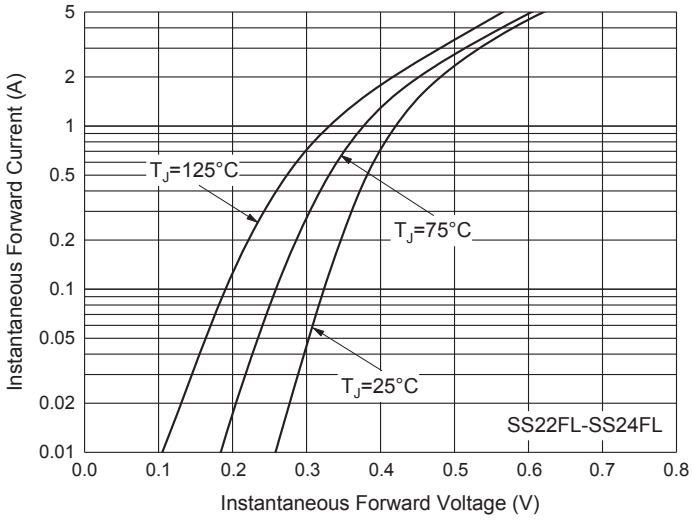


Fig. 4 - Typical Instantaneous Forward Characteristics

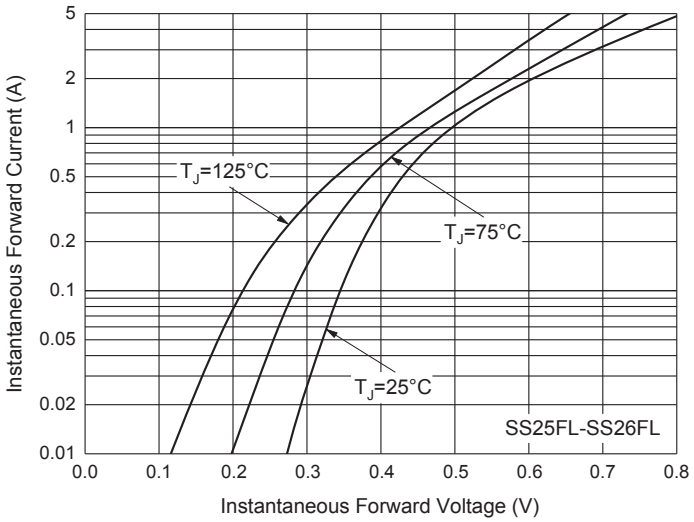


Fig. 5 - Typical Instantaneous Forward Characteristics

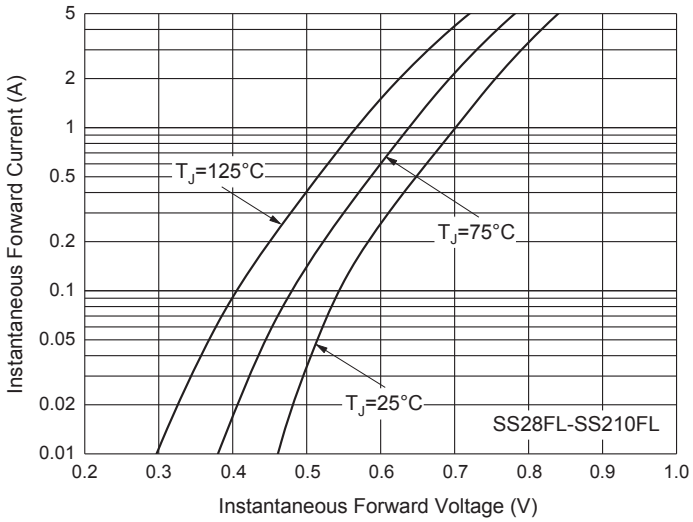
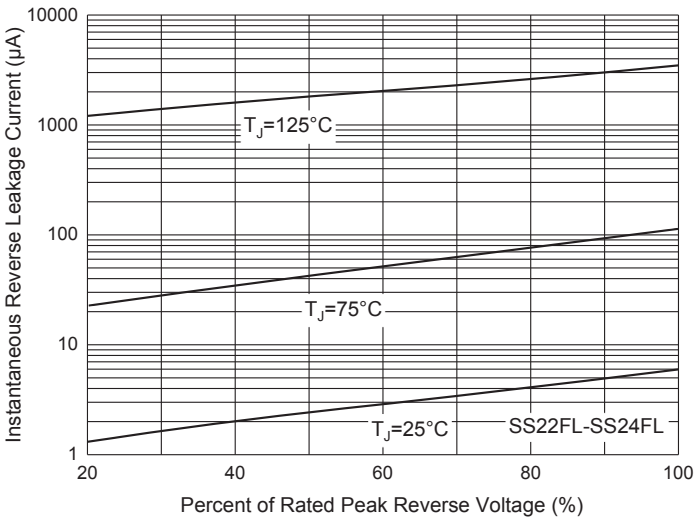


Fig. 6 - Typical Reverse Leakage Characteristics



Curve Characteristics

Fig. 7 - Typical Reverse Leakage Characteristics

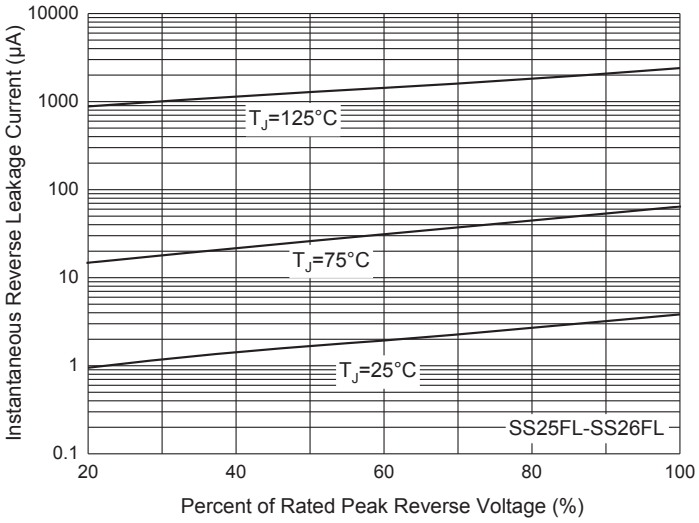
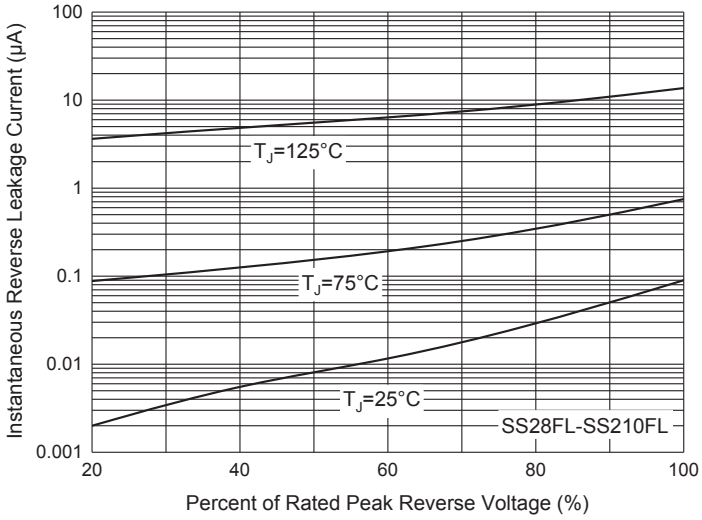


Fig. 8 - Typical Reverse Leakage Characteristics



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel