

Features

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

Maximum Ratings

- Operating Junction Temperature Range: -40°C to +125°C
- Storage Temperature Range: -40°C to +150°C
- Maximum Thermal Resistance: 15°C/W Junction To Lead

MCC Part Number	Device Marking	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage
SK225L	225L	25V	25V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0A	$T_C=105^\circ\text{C}$
Maximum Surge Current	I_{FSM}	50A	8.3ms, Half Sine
Max Peak Forward Voltage	V_{FM}	0.55V	$I_{FM}=2.0A;$ $T_J=25^\circ\text{C}^*$
Max Peak Reverse Current	I_{RM}	500 μA	$V_{RRM}, T_J=25^\circ\text{C}$
Typical Junction Capacitance	C_J	50pF	$V_R = 5.0V, 1\text{Mhz}$

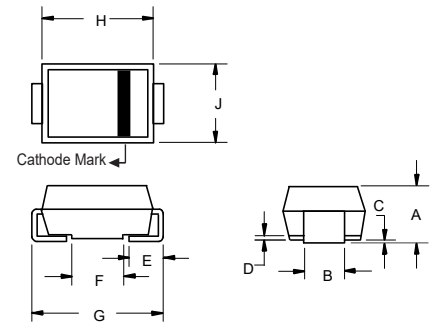
*Pulse test: Pulse width 300 μsec , Duty cycle 2%

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.

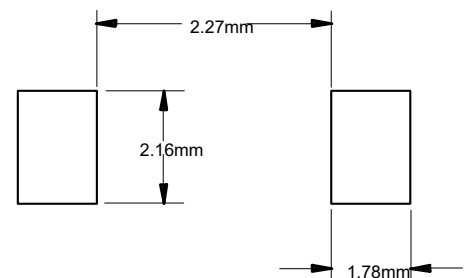
**2 Amp
Schottky Rectifier
25 Volts**

SMA (DO-214AC)



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.075	0.096	1.90	2.44	
B	0.050	0.064	1.27	1.63	
C	0.002	0.008	0.051	0.203	
D	---	0.020	---	0.51	
E	0.030	0.060	0.76	1.52	
F	0.065	0.091	1.65	2.32	
G	0.189	0.220	4.80	5.59	
H	0.157	0.187	4.00	4.75	
J	0.090	0.115	2.25	2.92	

SUGGESTED SOLDER PAD LAYOUT



Curve Characteristics

Fig. 1 - Forward Current Derating Curve

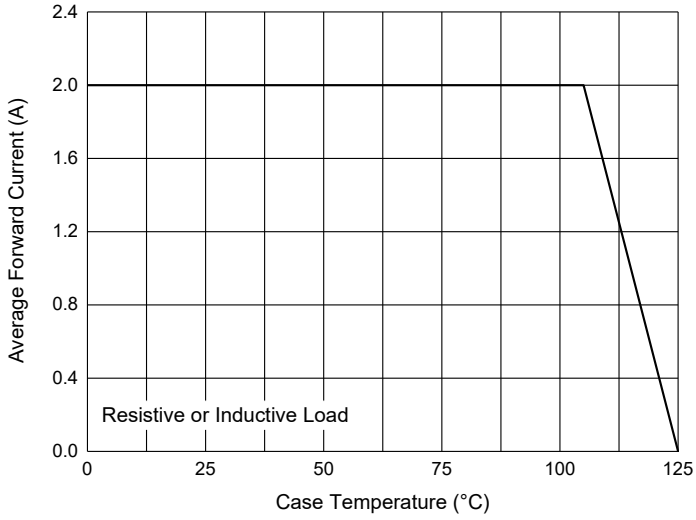


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

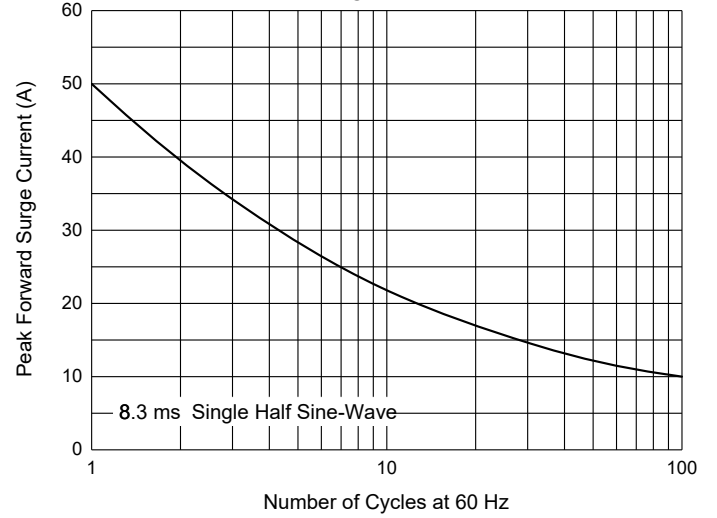


Fig. 3 - Typical Instantaneous Forward Characteristics

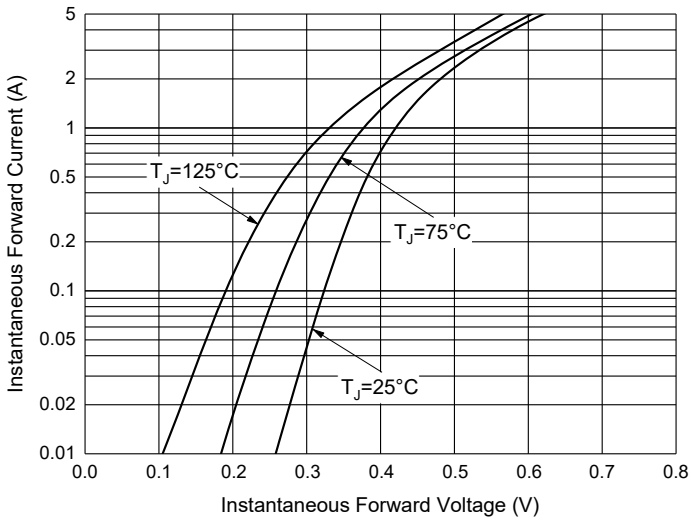
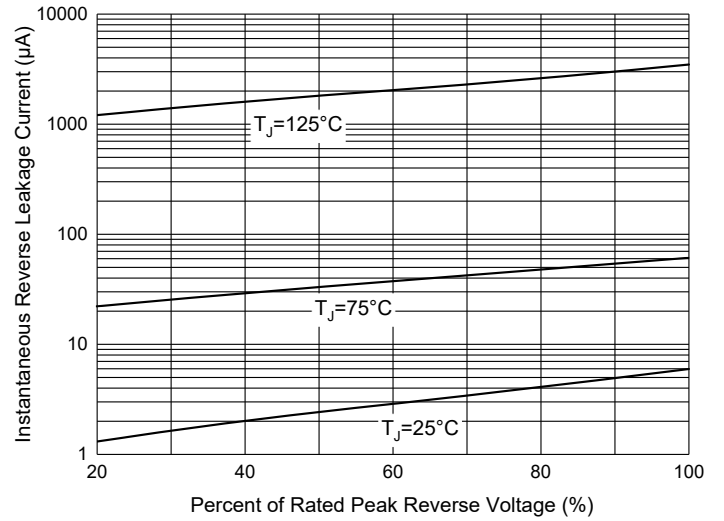


Fig. 4 - Typical Reverse Leakage Characteristics



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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