

### **Features**

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

# **Maximum Ratings**

- Operating Junction Temperature Range:-50°C to +125°C
- Storage Temperature Range: -65°C to +150°C
- Maximum Thermal Resistance: 50°C/W Junction to Lead

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	iviaximum	Maximum DC Blocking Voltage
SK1150-L	SK1150	150V	120V	150V
SK1200-L	SK1200	200V	140V	200V

# Electrical Characteristics @ 25°C Unless Otherwise Specified

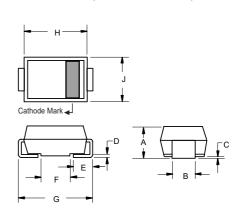
Average Forward Current	I <sub>F(AV)</sub>	1.0A	T <sub>A</sub> =100°C
Peak Forward Surge Current	I <sub>FSM</sub>	30A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage SK1150-L SK1200-L	V <sub>F</sub>	0.90V 0.92V	I <sub>FM</sub> =1.0A; T <sub>J</sub> =25°C*
Maximum DC Reverse Current at Rated DC Blocking Voltage	I <sub>R</sub>	0.05mA 1mA	T <sub>J</sub> =25°C T <sub>J</sub> =100°C
Typical Junction Capacitance	CJ	110pF	Measured at 1.0MHz V <sub>R</sub> =4.0V

#### Note:

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

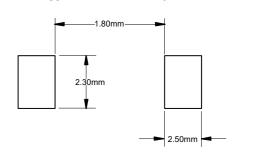
# 1 Amp Schottky Rectifier 150 to 200 Volts

# **SMB (DO-214AA)**



DIMENSIONS							
DIM	INCHES		MM		NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE		
Α	0.079	0.103	2.00	2.62			
В	0.075	0.087	1.91	2.21			
С	0.002	0.008	0.05	0.20			
D	0.006	0.012	0.15	0.31			
E	0.030	0.060	0.76	1.52			
F	0.065	0.091	1.65	2.32			
G	0.200	0.220	5.08	5.59			
Н	0.160	0.191	4.06	4.85			
J	0.130	0.155	3.30	3.94			

#### Suggested Solder Pad Layout





# **Curve Characteristics**

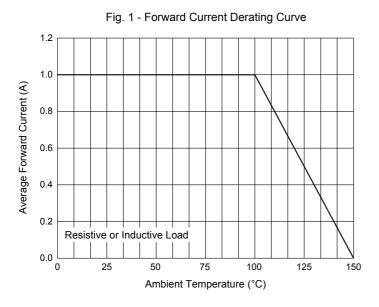
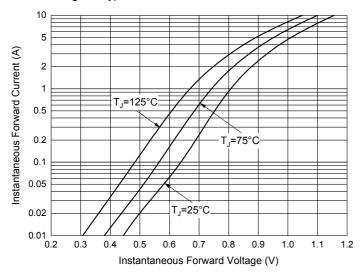


Fig. 3 - Typical Instantaneous Forward Characteristics



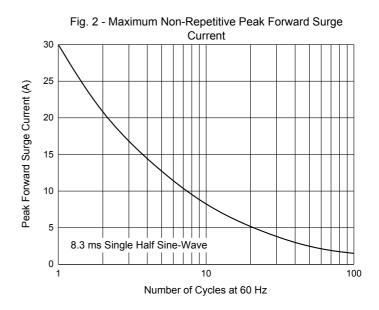
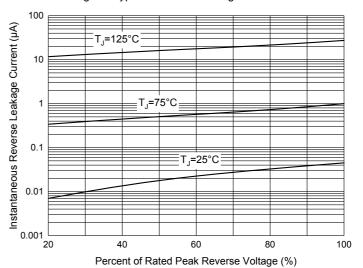


Fig. 4 - Typical Reverse Leakage Characteristics





# **Ordering Information**

Device	Packing	
SK1150-LTP~SK1200-LTP	Tape&Reel: 3Kpcs/Reel	

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