

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- For Surface Mount Applications
- High Current Capability With Low Forward Voltage
- Easy Pick And Place
- Halogen Free. "Green" Device (Note 2)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance: 18°C/W Junction to Lead

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	iviaximum	Maximum DC Blocking Voltage
SK1045-L	SK1045	45V	31.5V	45V

Electrical Characteristics @ 25°C Unless Otherwise Specified

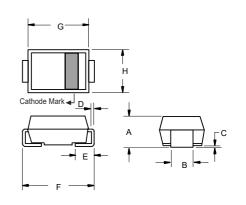
Average Forward Current	I _{F(AV)}	10A	T _L =95°C
Peak Forward Surge Current	I _{FSM}	250A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage	V _F	0.55V	I _{FM} =10A; T _J =25°C
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	0.2mA 20mA	T _J =25°C T _J =100°C
Typical Junction Capacitance	CJ	500pF	Measured at 1.0MHz, V _R =4.0V

Note:

- 1. High Temperature Solder Exemptions 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.

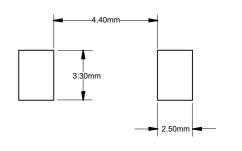
10 Amp Schottky Rectifier 45 Volts

SMC (DO-214AB)



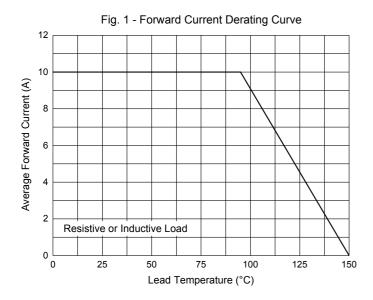
DIMENSIONS							
DIM	INCHES		MM		NOTE		
Dilvi	MIN	MAX	MIN	MAX	NOTE		
Α	0.079	0.103	2.00	2.62			
В	0.108	0.128	2.75	3.25			
С	0.002	0.008	0.051	0.203			
D	0.006	0.012	0.152	0.305			
E	0.030	0.060	0.76	1.52			
F	0.305	0.320	7.75	8.13			
G	0.260	0.280	6.60	7.11			
Н	0.220	0.245	5.59	6.22			

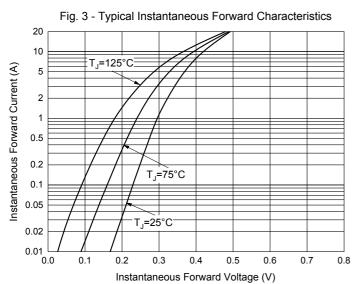
Suggested Solder Pad Layout

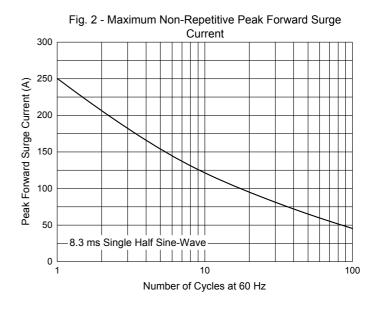


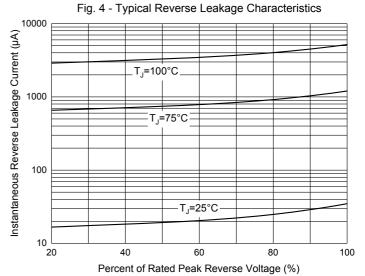


Curve Characteristics











Ordering Information

Device	Packing	
SK1045-LTP	Tape&Reel: 3Kpcs/Reel	

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