Micro Commercial Components
21201 Itasca Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

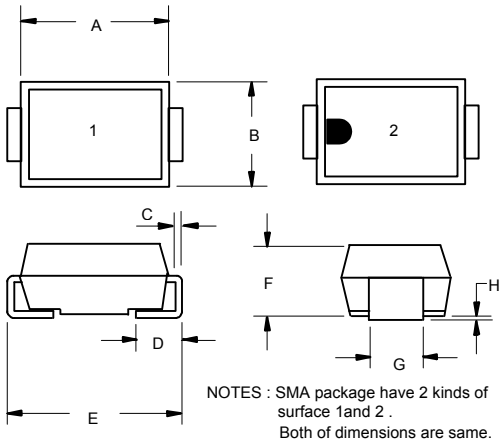
SK32A-LT THRU SK310A-LT

3 Amp Schottky Rectifier 20 to 100 Volts

Features

- For Surface Mount Applications
- Extremely Low Thermal Resistance
- Easy Pick And Place
- High Temp Soldering: 250C for 10 Seconds At Terminals
- High Current Capability With Low Forward Voltage

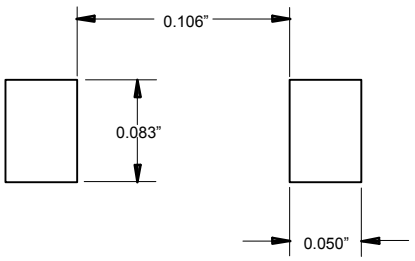
DO-214AC (SMAJ) (LEAD FRAME)



NOTES : SMA package have 2 kinds of surface 1and 2 .
Both of dimensions are same.

DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.157	.181	3.99	4.60	
B	.090	.115	2.29	2.92	
C	.006	.012	0.15	0.31	
D	.030	.060	0.76	1.52	
E	.189	.220	4.80	5.59	
F	.078	.103	1.98	2.62	
G	.050	.064	1.27	1.63	
H	.002	.008	0.05	0.203	

SUGGESTED SOLDER PAD LAYOUT



Maximum Ratings

- Operating Temperature: -50°C to +125°C
- Storage Temperature: -50°C to +150°C
- Maximum Thermal Resistance; 10°C/W Junction To Lead

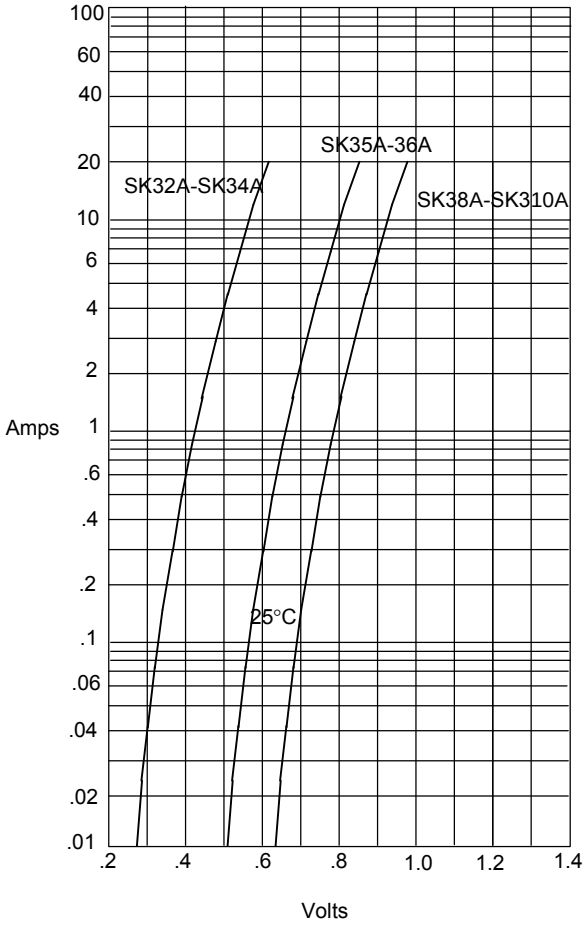
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SK32A-LT	SK32A	20V	14V	20V
SK33A-LT	SK33A	30V	21V	30V
SK34A-LT	SK34A	40V	28V	40V
SK35A-LT	SK35A	50V	35V	50V
SK36A-LT	SK36A	60V	42V	60V
SK38A-LT	SK38A	80V	56V	80V
SK310A-LT	SK310A	100V	70V	100V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	3.0A	T_J = 120°C
Peak Forward Surge Current	I_{FSM}	100A	8.3ms, half sine
Maximum Instantaneous Forward Voltage SK32A-34A SK35A-36A SK38A-310A	V_F	 .50V .75V .85V	 I_{FM} = 3.0A; T_J = 25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	.5mA 20mA	T_J = 25°C T_J = 100°C
Typical Junction Capacitance	C_J	250pF	Measured at 1.0MHz, V_R=4.0V

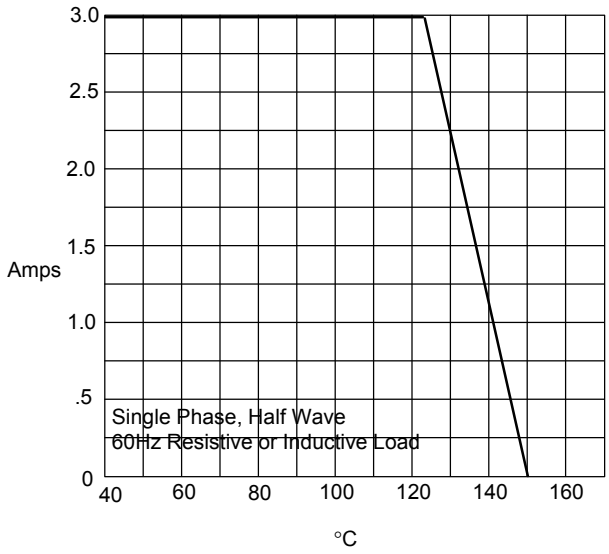
*Pulse test: Pulse width 200 μsec, Duty cycle 2%

Figure 1
Typical Forward Characteristics



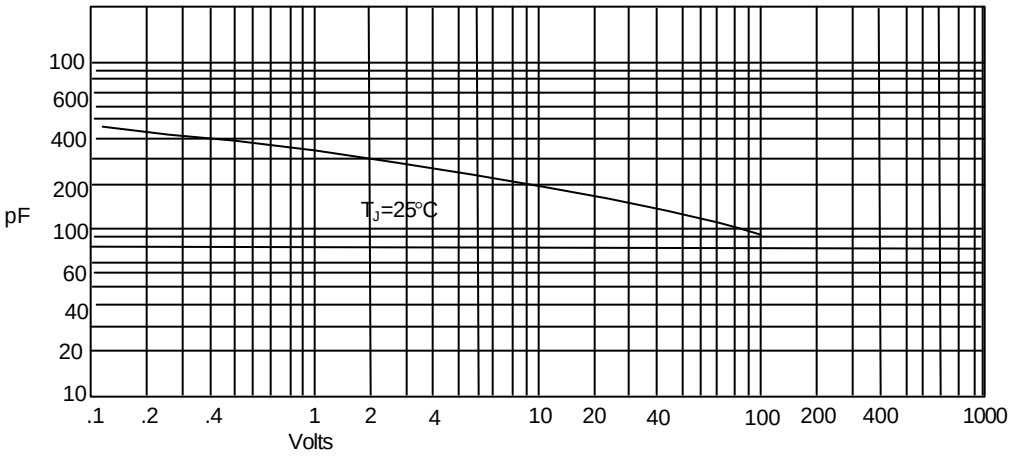
Instantaneous Forward Current - Amperes *versus*
Instantaneous Forward Voltage - Volts

Figure 2
Forward Derating Curve



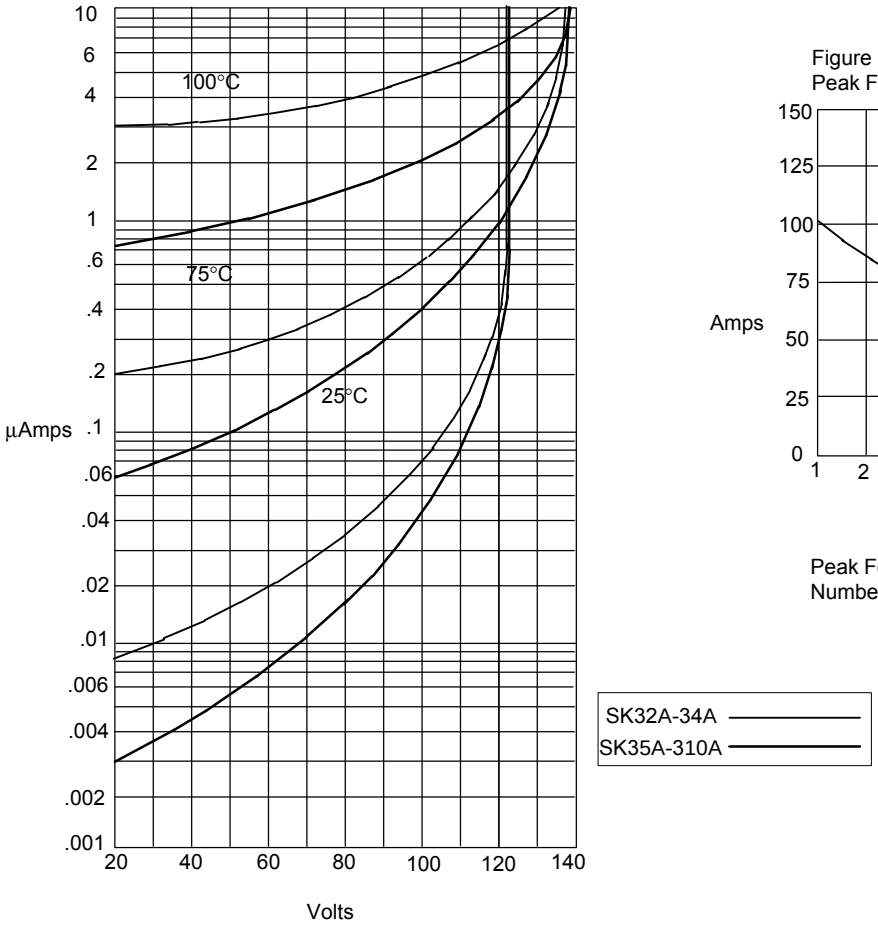
Average Forward Rectified Current - Amperes *versus*
Ambient Temperature - °C

Figure 3
Junction Capacitance



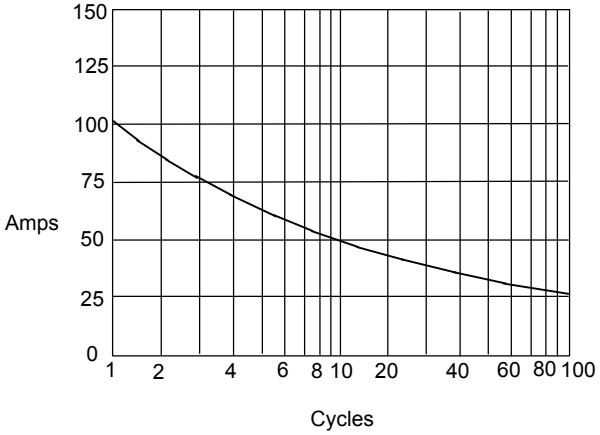
Junction Capacitance - pF *versus*
Reverse Voltage - Volts

Figure 4
Typical Reverse Characteristics



Instantaneous Reverse Leakage Current - MicroAmperes *versus*
Percent Of Rated Peak Reverse Voltage - Volts

Figure 5
Peak Forward Surge Current



Peak Forward Surge Current - Amperes *versus*
Number Of Cycles At 60Hz - Cycles