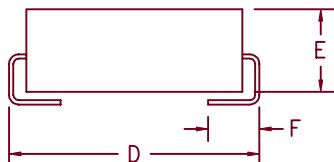
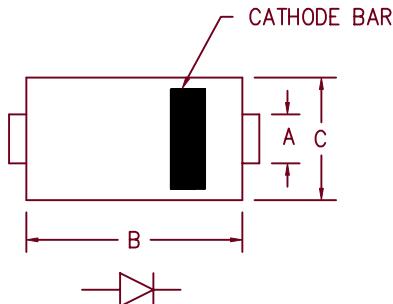


3 Amp Schottky Rectifiers

SK32A – SK310A



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	.068	.087	1.73	2.21	
B	.157	.177	3.99	4.50	
C	.100	.110	2.54	2.79	
D	.194	.228	4.93	5.79	
E	.078	.115	1.98	2.92	
F	.030	.060	.760	1.52	

SMA
DO-214AC

Microsemi Catalog Number	Working Reverse Voltage	Peak Reverse Voltage
SK32A	20V	20V
SK33A	30V	30V
SK34A	40V	40V
SK36A	60V	60V
SK38A	80V	80V
SK310A	100V	100V

- Schottky Barrier Rectifier
- Low Forward Voltage Drop
- 20–100 Volts
- Low switching losses
- Round lead design

Electrical Characteristics

Average forward current	I F(AV)	3.0A	T _J = 120°C
Maximum surge current	I FSM	100A	8.3ms half-sine
Max repetitive reverse current	I R(OV)	2A	f = 1KHZ, 25°C, 1μs square wave
Max peak forward voltage (SK32A–SK34A)	V FM	.50V	I FM = 3.0A; T _J = 25°C*
Max peak forward voltage (SK36A)	V FM	.75V	I FM = 3.0A; T _J = 25°C*
Max peak forward voltage (SK38A–SK310A)	V FM	.85V	I FM = 3.0A; T _J = 25°C*
Max peak reverse current	I RM	.5mA	V _{RRM} , T _J = 25°C
Max peak reverse current	I RM	20mA	V _{RRM} , T _J = 100°C*
Typical junction capacitance	C _J	250pF	V _R = 5.0V, T _J = 25°C

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

Thermal and Mechanical Characteristics

Storage temperature range	T _{STG}	-55°C to 150°C
Operating junction temp range	T _J	-55°C to 125°C
Maximum thermal resistance	R _{θJC}	10°C/W

8-28-02 Rev. 1



800 Hoyt Street
Broomfield, CO 80020
PH: (303) 469-2161
FAX: (303) 466-3775
www.microsemi.com

SK32A - SK310A

Figure 1
Typical Forward Characteristics

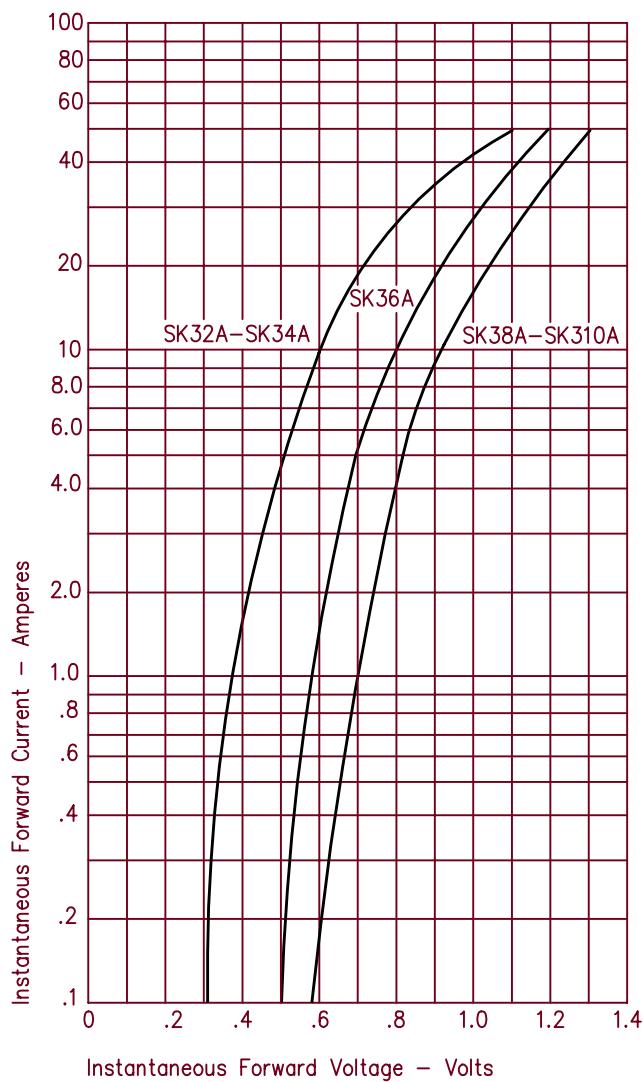


Figure 3
Typical Junction Capacitance

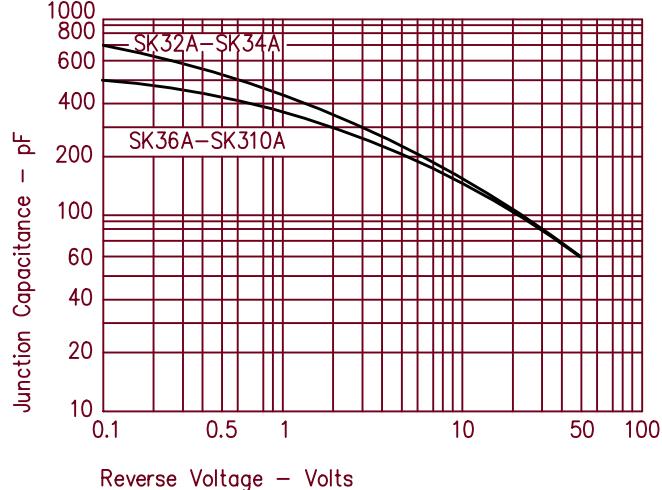


Figure 2
Typical Reverse Characteristics @ 100°C

