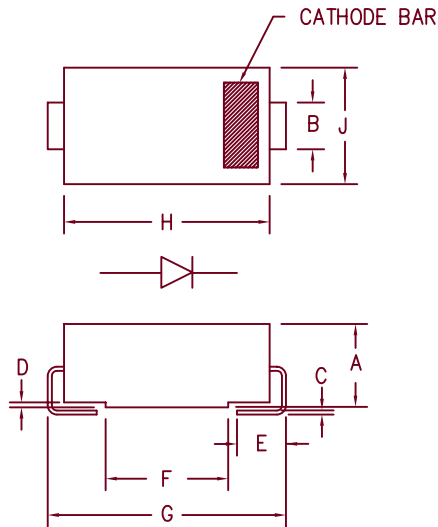


1 Amp Schottky Rectifier SS13 — SS14



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	.078	.115	1.98	2.92	
B	.068	.087	1.73	2.21	
C	---	.005	---	0.13	
D	---	.020	---	0.51	
E	.030	.060	0.76	1.52	
F	.065	.084	1.65	2.13	
G	.194	.228	4.93	5.79	
H	.157	.177	3.99	4.50	
J	.100	.110	2.57	2.79	

SMA (DO-214AC)

Microsemi
Catalog Number

SS13
SS14

Working
Peak Reverse
Voltage

30V
40V

Repetitive
Peak Reverse
Voltage

30V
40V

- Low Forward Voltage
- Schottky Barrier Rectifier
- Guard Ring Protection
- 125°C Junction Temperature
- VRRM 30 to 40 Volts

Electrical Characteristics

Average forward current	I _{F(AV)} 1.0 Amps	T _A = 75°C, Square wave
Maximum surge current	I _{FSM} 30 Amps	8.3ms, half sine
Max peak forward voltage (SS13)	V _{FM} .55 Volts	I _{FM} = 1.0A; T _J = 25°C*
Max peak forward voltage (SS14)	V _{FM} .60 Volts	I _{FM} = 1.0A; T _J = 25°C*
Max peak reverse current	I _{RM} 0.5 mA	V _{RRM, T_J} = 25°C
Typical junction capacitance	C _J 110pF	V _R = 4.0V, 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
Typical thermal Resistance	R _{θJL}	15°C/W Junction to lead
Weight		.0047 ounces (.013 grams) typical



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