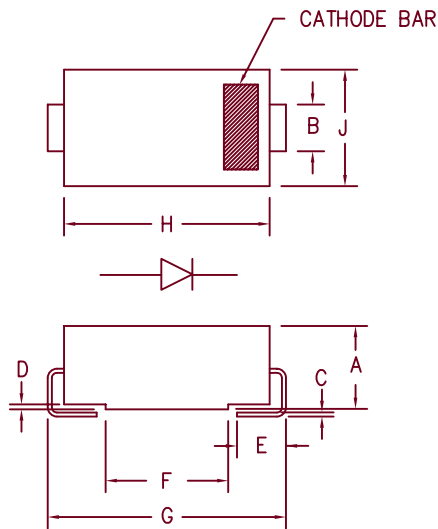


1 Amp Schottky Rectifier SS12



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

SS12

Working
Peak Reverse
Voltage

20V

Repetitive
Peak Reverse
Voltage

20V

- Low Forward Voltage
- Schottky Barrier Rectifier
- Guard Ring Protection
- 125°C Junction Temperature
- VRRM 20 Volts

Electrical Characteristics

Average forward current
Maximum surge current
Max peak forward voltage
Max peak reverse current
Typical junction capacitance

$I_F(AV)$ 1.0 Amps
 I_{FSM} 30 Amps
 V_{FM} .45 Volts
 I_{RM} 0.5 mA
 C_j 110pF

$T_A = 75^\circ\text{C}$, Square wave
8.3ms, half sine, $T_J = 150^\circ\text{C}$
 $I_{FM} = 1.0A; T_J = 25^\circ\text{C}^*$
 $V_{RRM}, T_J = 25^\circ\text{C}$
 $V_R = 4.0V, T_J = 25^\circ\text{C}$

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

Thermal and Mechanical Characteristics

Storage temperature range
Operating junction temp range
Typical thermal Resistance
Weight

T_{STG}
 T_J
 $R_{\theta JL}$

-55°C to 150°C
 -55°C to 125°C
15°C/W Junction to lead
.0047 ounces (.013 grams) typical



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05-30-07 Rev. 2