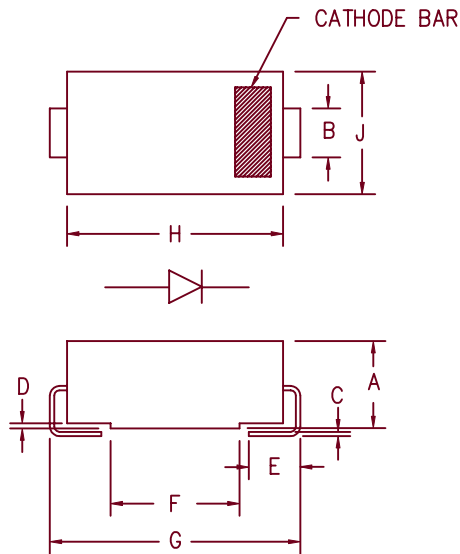


# 1 Amp Schottky Rectifier SS12



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	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage
SS12	20V	20V

- Low Forward Voltage
- Schottky Barrier Rectifier
- Guard Ring Protection
- 125°C Junction Temperature
- $V_{RRM}$  20 Volts

Electrical Characteristics			
Average forward current	$I_F(AV)$ 1.0 Amps	$T_A = 75^\circ C$ , Square wave	
Maximum surge current	$I_{FSM}$ 30 Amps	8.3ms, half sine, $T_J = 150^\circ C$	
Max peak forward voltage	$V_{FM}$ .45 Volts	$I_{FM} = 1.0A; T_J = 25^\circ C^*$	
Max peak reverse current	$I_{RM}$ 0.5 mA	$V_{RRM}, T_J = 25^\circ C$	
Typical junction capacitance	$C_J$ 110pF	$V_R = 4.0V, T_J = 25^\circ C$	
*Pulse test: Pulse width 300 $\mu$ sec. 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	$R_{\theta JL}$	15°C/W Junction to lead
Weight		.0047 ounces (.013 grams) typical

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