



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

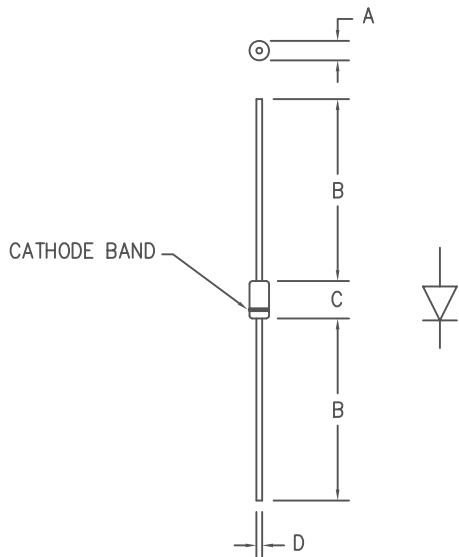
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# 1 Amp Schottky Rectifier MS108 — MS109



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	.081	.107	2.057	2.718	Dia.
B	1.10	---	27.94	---	
C	.160	.205	4.064	5.207	
D	.028	.034	.711	.864	Dia.

PLASTIC D041

Microsemi Catalog Number	Industry Part Number	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage
MS108	SR108	80V	80V
MS109		90V	90V

- Schottky Barrier Rectifier
- Guard Ring Protection
- 175°C Junction Temperature
- $V_{RRM}$  80 to 90 Volts

Electrical Characteristics			
Average forward current	$I_F(AV)$ 1.0 Amps	TL = 120°C Square wave, $R_{\theta JL} = 25^\circ C/W$ , L = 1/4"	
Maximum surge current	$I_{FSM}$ 50 Amps	8.3ms, half sine, $T_J = 175^\circ C$	
Max peak forward voltage	$V_{FM}$ .81 Volts	$I_{FM} = 1.0A; T_J = 25^\circ C^*$	
Max peak reverse current	$I_{RM}$ 100 $\mu A$	$V_{RRM}, T_J = 25^\circ C$	
Typical junction capacitance	$C_J$ 45pF	$V_R = 5.0V, T_J = 25^\circ C$	
*Pulse test: Pulse width 300 $\mu sec$ , Duty cycle 2%			

Thermal and Mechanical Characteristics			
Storage temperature range	$T_{STG}$	-55°C to 175°C	
Operating junction temp range	$T_J$	-55°C to 175°C	
Maximum thermal resistance	$R_{\theta JL}$ L = 1/4"	25°C/W Junction to Lead	
Weight		.011 ounces (0.34 grams) typical	



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05-17-07 Rev. 5

# MS108 — MS109

Figure 1  
Typical Forward Characteristics

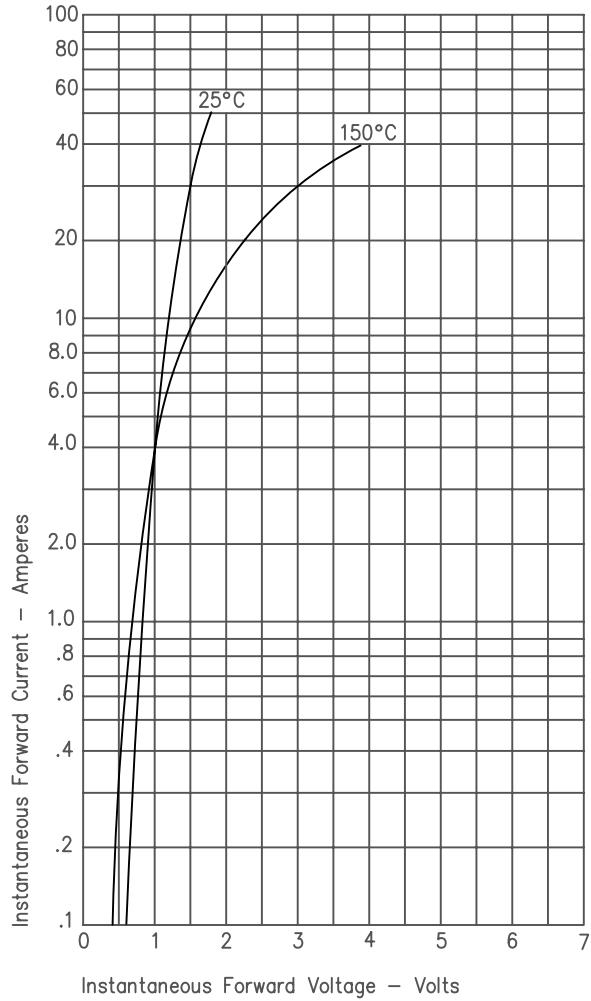


Figure 3  
Typical Junction Capacitance

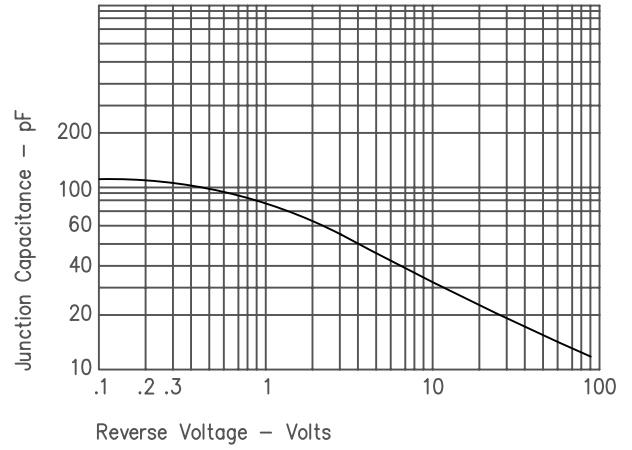


Figure 2  
Typical Reverse Characteristics

