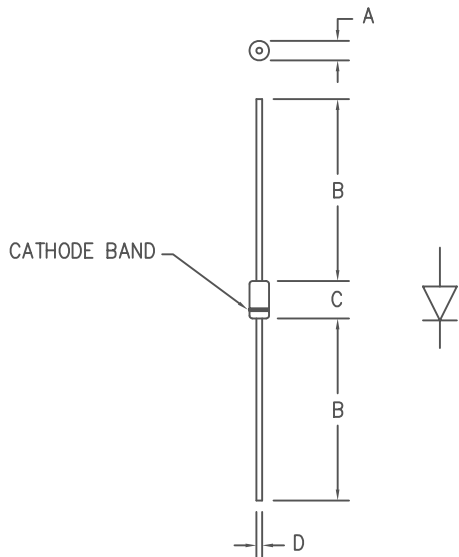


1 Amp Schottky Rectifier MS110



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

MS110

Industry
Part Number

MBR1100
SR1010

Working
Peak Reverse
Voltage

100V

Repetitive
Peak Reverse
Voltage

100V

- Schottky Barrier Rectifier
- Guard Ring Protection
- 175°C Junction Temperature
- V_{RRM} 100 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} 50 Amps
 V_{FM} .83 Volts
 I_{RM} 100 μA
 C_J 45pF

$T_L = 118^\circ C$ Square wave, $R_{\theta JL} = 25^\circ C/W$, $L = 1/4"$
8.3ms, half sine, $T_J = 175^\circ C$
 $I_{FM} = 1.0A$; $T_J = 25^\circ C$ *
 $V_{RRM}, T_J = 25^\circ C$
 $V_R = 5.0V, T_J = 25^\circ C$

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

Thermal and Mechanical Characteristics

Storage temperature range
Operating junction temp range
Maximum thermal resistance
Weight

T_{STG}
 T_J
 $R_{\theta JL}$ $L = 1/4"$

$-55^\circ C$ to $175^\circ C$
 $-55^\circ C$ to $175^\circ C$
 $25^\circ C/W$ Junction to Lead
.011 ounces (0.34 grams) typical



8700 East Thomas Road, P.O. Box 1390
Scottsdale, AZ 85252
PH: (480) 941-6300
FAX: (480) 947-1503
www.microsemi.com

05-17-07 Rev. 2

MS110

Figure 1
Typical Forward Characteristics

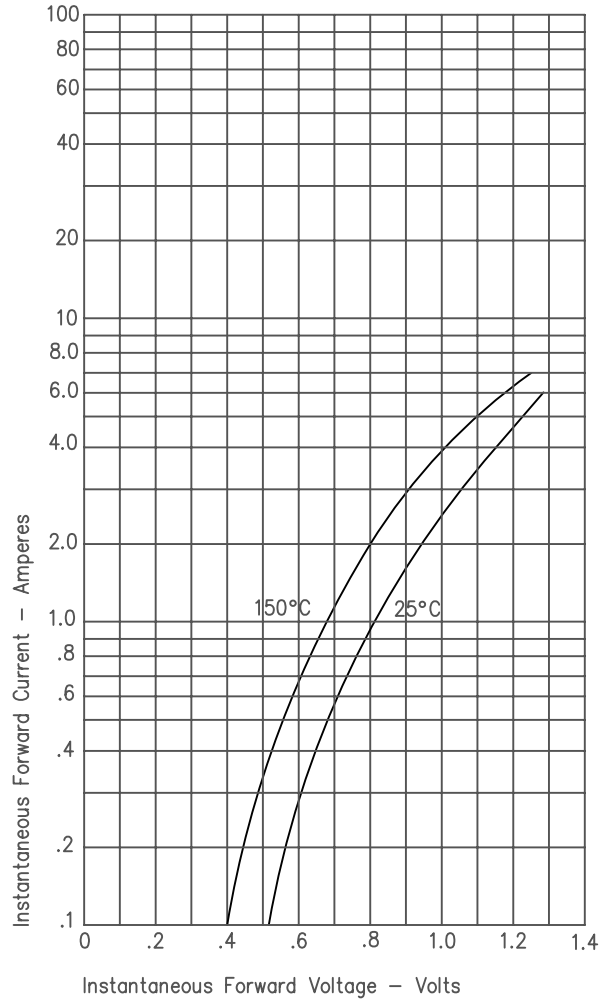


Figure 3
Typical Junction Capacitance

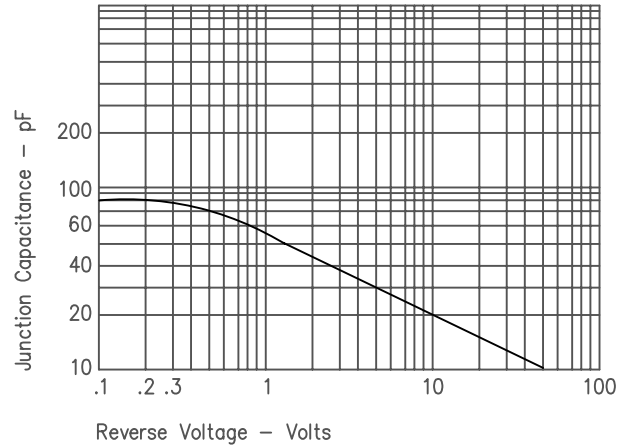


Figure 2
Typical Reverse Characteristics

