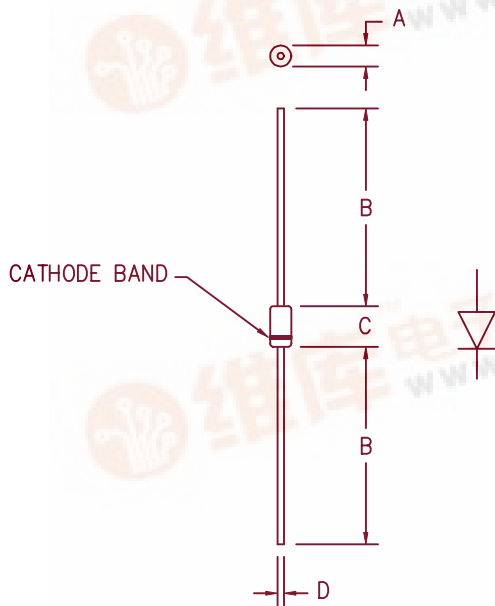


3 Amp Schottky Rectifier MS308 — MS310

查询MS310供应

捷多邦，专业PCB打样工厂，24小时加急出货



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	.188	.260	4.78	6.50	Dia.
B	1.00	---	25.4	---	
C	.285	.375	7.24	9.52	
D	.046	.056	1.17	1.42	Dia.

PLASTIC D0201AD

Microsemi
Catalog Number

MS308
MS309
MS310

Working
Peak Reverse
Voltage

80V
90V
100V

Repetitive
Peak Reverse
Voltage

80V
90V
100V

- Schottky Barrier Rectifier
- Guard Ring Protection
- 175°C Junction Temperature
- V_{RRM} 80 to 100 Volts

Electrical Characteristics

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

$I_F(AV)$ 3.0 Amps
 I_{FSM} 150 Amps
 V_{FM} .81 Volts
 I_{RM} 100 μA
 C_J 190 pF

$T_A = 115^\circ C$, Square wave, $R_{\theta J L} = 52^\circ C/W$, $L = 3/8"$
8.3ms, half sine, $T_J = 175^\circ C$
 $I_{FM} = 3.0A: T_J = 25^\circ C^*$
 $V_{RRM}, T_J = 25^\circ C$
 $V_R = 5.0V, T_J = 25^\circ C$

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

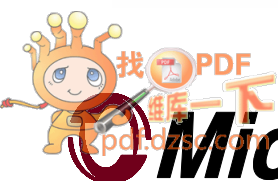
Thermal and Mechanical Characteristics

Storage temperature range
Operating junction temp range
Maximum thermal resistance

T_{STG}
 T_J
 $R_{\theta J C}$
 $L = 0"$
 $L = 3/8"$ $R_{\theta J L}$

$-55^\circ C$ to $175^\circ C$
 $-55^\circ C$ to $175^\circ C$
28 $^\circ C/W$ Junction to case
52 $^\circ C/W$ Junction to Lead
.032 ounces (1.0 grams) typical

Weight



COLORADO

800 Hoyt Street
Broomfield, CO. 80020
PH: (303) 469-2161
FAX: (303) 466-3775

4-14-00 Rev. 1

MS308 — MS310

Figure 1
Typical Forward Characteristics

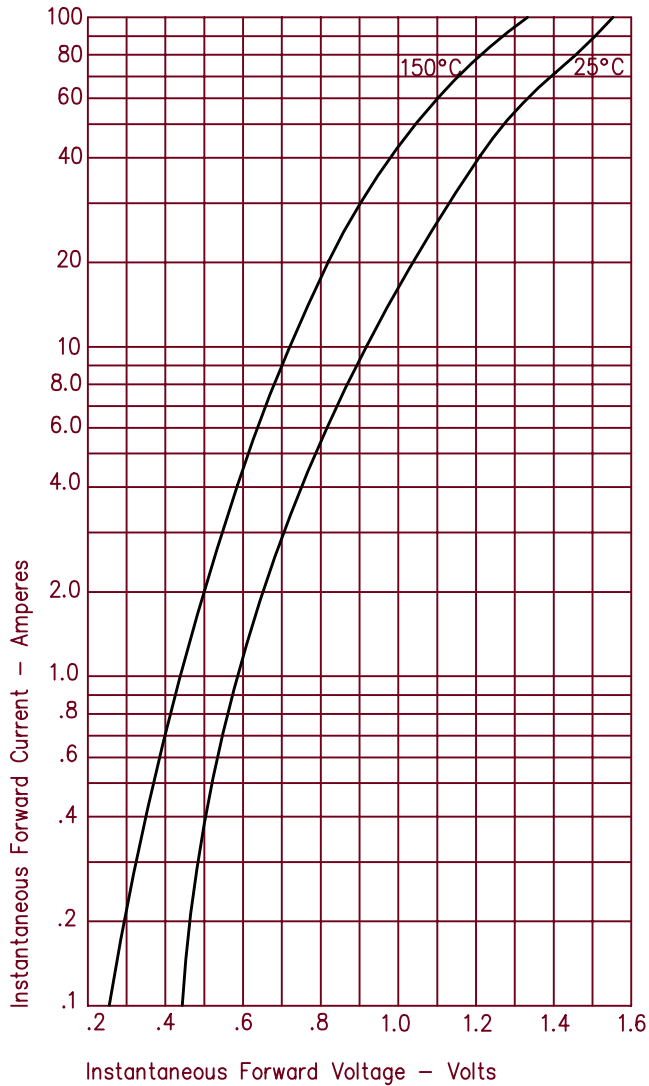


Figure 3
Typical Junction Capacitance

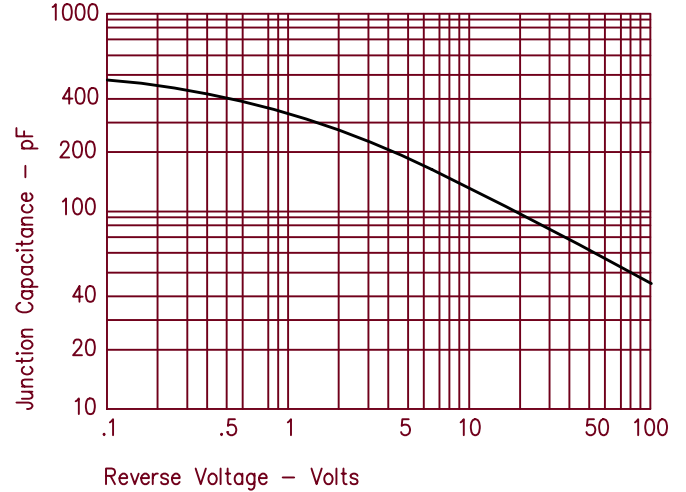


Figure 2
Typical Reverse Characteristics

