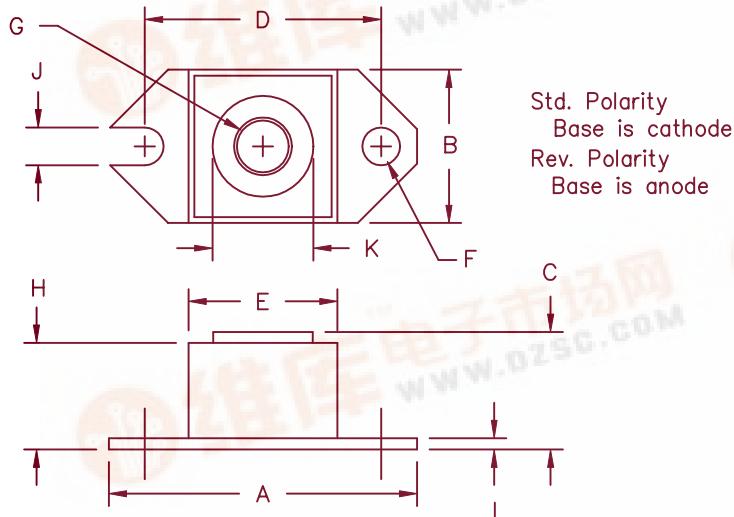


查询HS24230供应商

240 Amp Schottky Rectifier

捷多邦，专业PCB打样工厂，24小时加急出货

HS24230



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	1.52	1.56	38.86	39.62	
B	.725	.775	18.42	19.69	
C	.605	.625	15.37	15.88	
D	1.182	1.192	30.02	30.28	
E	.745	.755	18.92	19.18	Sq.
F	.152	.160	3.86	4.06	Dia.
G			1/4-20 UNC-2B		
H	.570	.580	14.49	14.73	
J	.156	.160	3.96	4.06	
K	.495	.505	12.57	12.83	Dia.
L	.120	.130	3.05	3.30	

Microsemi Catalog Number	Working Reverse Voltage	Repetitive Peak Reverse Voltage
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HS24230*	30V	30V
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*Add Suffix R for Reverse Polarity

- Schottky Barrier Rectifier
- Guard Ring Protection
- 240 Amperes/30 Volts
- 150°C Junction Temperature
- Reverse Energy Tested

Electrical Characteristics

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

|F(AV) 240 Amps
|FSM 3500 Amps
|R(OV) 2 Amps
VF_M 0.49 Volts
VF_M 0.55 Volts
|RM 3 Amp
|RM 12mA
C_J 10500pF

T_C = 84°C, Square wave, R_{θJC} = .24°C/W
8.3ms, half sine, T_J = 150°C
f = 1 KHZ, 25°C
|FM = 240A: T_J = 125°C*
|FM = 240A: T_J = 25°C*
V_{RRM}, T_J = 125°C*
V_{RRM}, T_J = 25°C
V_R = 5.0V, T_C = 25°C

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

Thermal and Mechanical Characteristics

Storage temp range
Operating junction temp range
Max thermal resistance
Typical thermal resistance (greased)
Terminal Torque
Mounting Base Torque
Weight

T_{STG}
T_J
R_{θJC}
R_{θCS}

-55°C to 150°C
-55°C to 150°C
0.24°C/W Junction to case
0.12°C/W Case to sink
35-40 inch pounds
20-25 inch pounds
1.1 ounces (32 grams) typical

HS24230

Figure 1
Typical Forward Characteristics

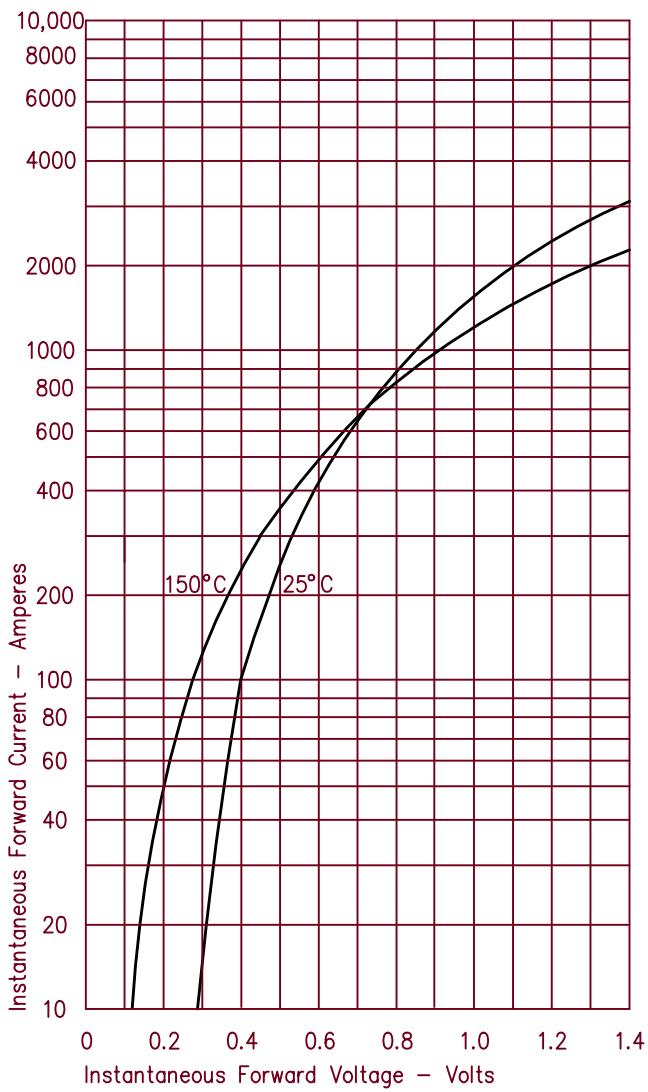


Figure 2
Typical Reverse Characteristics

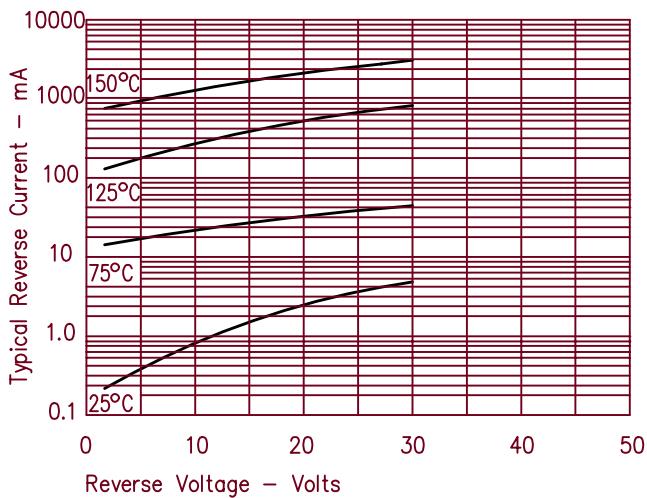


Figure 3
Typical Junction Capacitance

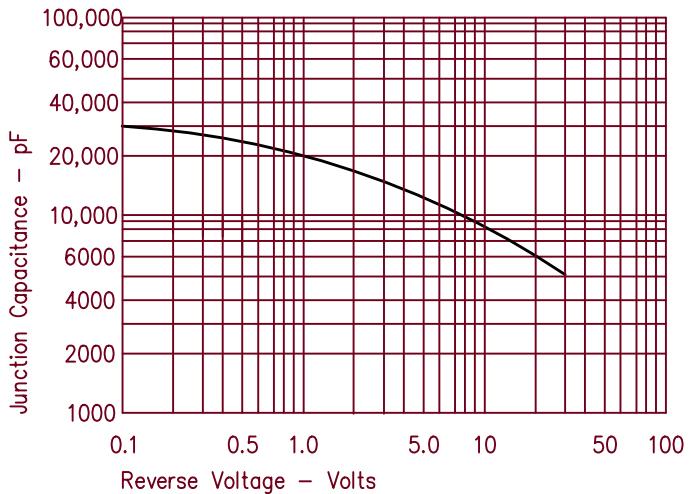


Figure 4
Forward Current Derating

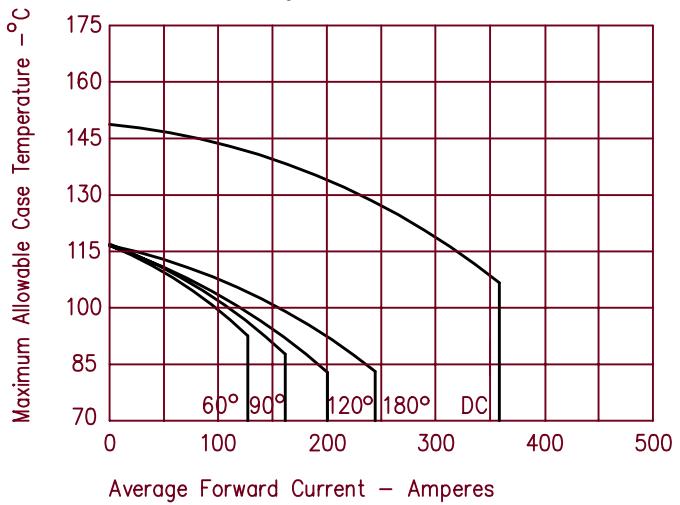


Figure 5
Maximum Forward Power Dissipation

