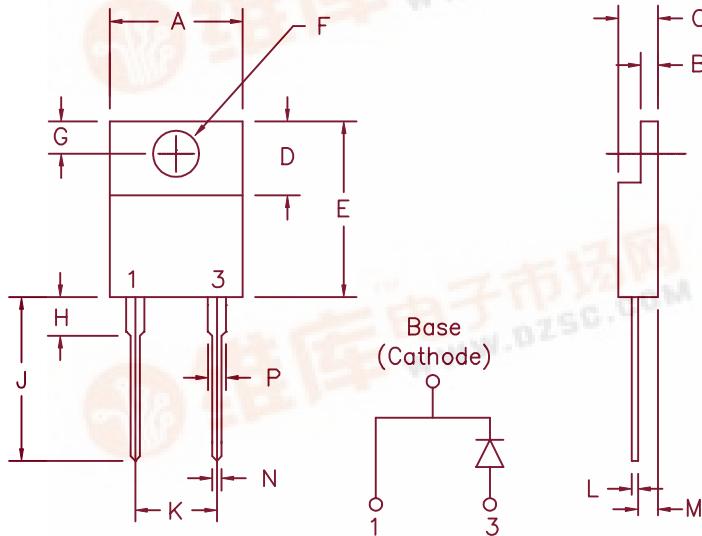


查询MS1635供应商 捷多邦，专业PCB打样工厂，24小时加急出货

16 Amp Schottky Barrier Rectifiers MS1635 – MS1645



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	.390	.415	9.91	10.54	
B	.045	.055	1.14	1.40	
C	.180	.190	4.57	4.83	
D	.245	.260	6.22	6.60	
E	.550	.650	13.97	16.51	
F	.139	.155	3.53	3.94	Dia.
G	.100	.120	2.54	3.05	
H	---	.250	---	6.35	
J	.500	.580	12.70	14.73	
K	.190	.210	4.83	5.33	
L	.014	.025	0.35	0.63	
M	.080	.115	2.03	2.92	
N	.028	.038	0.71	0.96	
P	.045	.055	1.14	1.40	

Similar to TO-220AC

Microsemi Catalog Number

MS1635
MS1645

Repetitive Peak Reverse Voltage

35V
45V

Transient Peak Reverse Voltage

35V
45V

- Schottky barrier rectifier
- Guard ring reverse protection
- Low power loss, high efficiency
- V_{RRM} 35 to 45 Volts
- Reverse engery tested

Electrical Characteristics

Average Forward Current
Maximum Surge Current
Max. Peak Forward Voltage
Max. Peak Forward Voltage
Max. Peak Reverse Current
Max. Peak Reverse Current
Typical Junction Capacitance

I_{F(AV)} 16 Amps
I_{FSM} 300 Amps
V_{FM} .56 Volts
V_{FM} .67 Volts
I_{RM} 10 mA
I_{RM} 250 μ A
C_J 850 pF

T_C = 153°C, Square wave, R_{θJC} = 2.0°C/W
8.3ms, half sine, T_J = 175°C
I_{FM} = 16A, T_J = 150°C*
I_{FM} = 16A, T_J = 25°C*
V_{RRM}, T_J = 125°C*
V_{RRM}, T_J = 25°C
VR = 5.0V, T_J = 25°C

*Pulse test: Pulse width 300 μ sec Duty cycle 2%

Thermal and Mechanical Characteristics

Storage temp range
Operating junction temp range
Max thermal resistance
Mounting torque
Weight

T_{STG}
T_J
R_{θJC}

-55°C to 175°C
-55°C to 175 °C
2.0°C/W
8-12 inch pounds (6-32 screw)
.08 ounces (2.3 grams) typical

MS1635 - MS1645

Figure 1
Typical Forward Characteristics

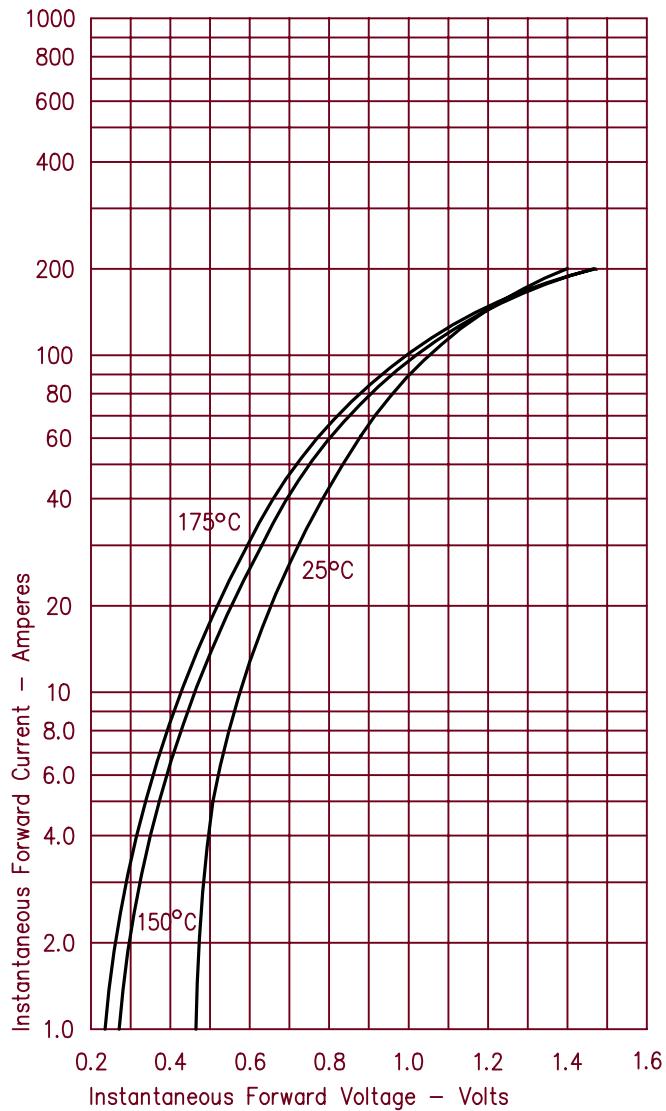


Figure 2
Typical Reverse Characteristics

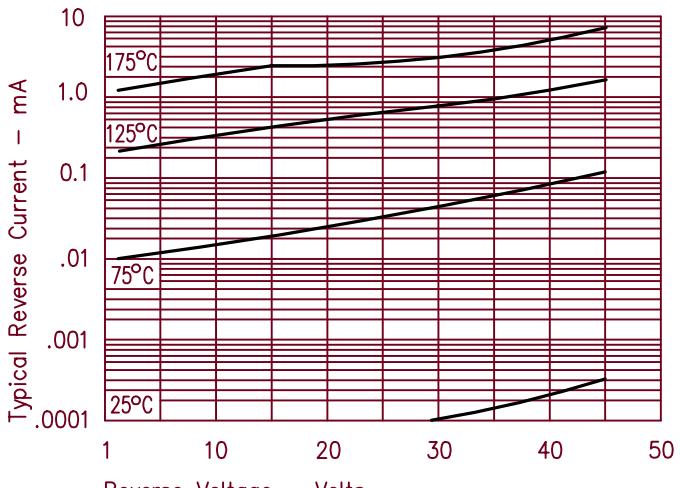


Figure 3
Typical Junction Capacitance

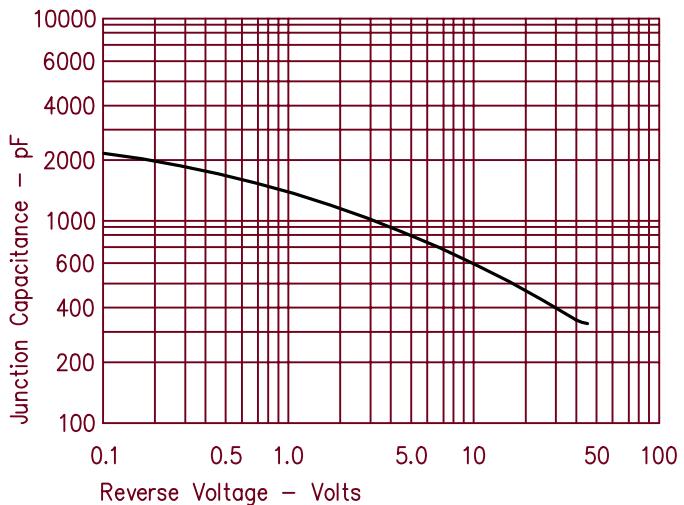


Figure 4
Forward Current Derating

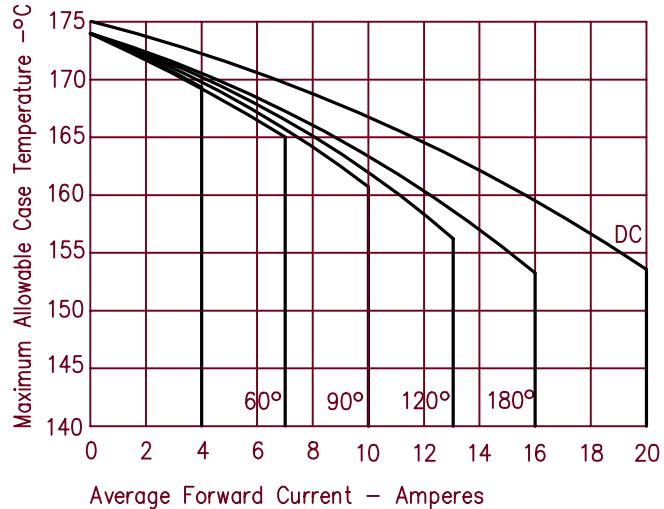


Figure 5
Maximum Forward Power Dissipation

