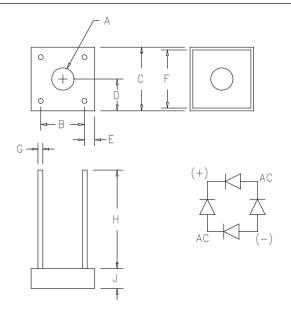
Bridge Rectifiers VJ248M - VJ1048M



Dir	m. Inches		Millimete	r	
	Minimum	Maximum	Minimum	Maximum	Notes
А	.137	.167	3.84	2.21	Dia.
В	.411	.441	10.44	11.20	
С	.600	.620			
D	.295	.310			
Ε	.076	.096			
F	.545	.555	13.85	14.10	
G	.076	.096	.970	1.07	
Н	1.0 1	1.0 Min.		25.40 Min.	
J	.195	.215	4.95	5.46	

Microsemi	Peak Reverse
Catalog Number	Voltage
VJ248M	200V
VJ448M	400V
VJ648M	600V
VJ848M	800V
VJ1048M	1000V

- 10 Amps DC Output
- 100 Amp Surge Current
- VRRM to 1000V
- 2000V Isolation
- Glass Passivated Die
- ROHS Compliant

Electrical Characteristics

DC current output Maximum surge current Max. I²t for fusing

Max. peak forward voltage per leg Max. peak reverse current per leg lo 10 Amps | FSM 100 Amps |2t 41 A²s V FM 1.3 Volts | RM 5µA $TC = 95^{\circ}C$ 8.3ms, half sine

FM = 1.0A: TJ = 25°C* VRRM, TJ = 25°C

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

Thermal and Mechanical Characteristics

Storage temperature range Operating junction temp range Maximum thermal resistance Mounting torque Weight TSTG TJ ROJC

-55°C to 175°C -55°C to 175°C 3°C/W Junction to case 12-15 inch pounds (#6 screw) .14 ounces (4.5 grams) typical



VJ248M - VJ1048M

Figure 1 Typical Forward Characteristics — Per Leg

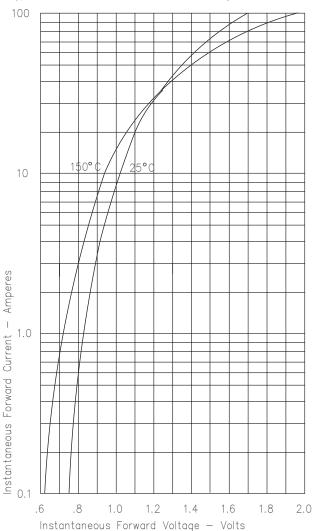
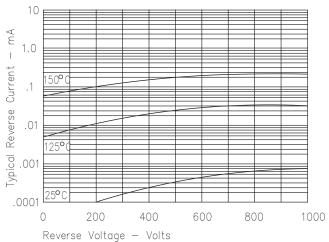


Figure 3 Forward Current Derating — Per Leg 180 0| Maximum Allowable Case Temperature 160 140 120 100 80 60 40 0 2 6 8 10 12 16 18 20 DC Forward Current - Amperes

Figure 2 Typical Reverse Characteristics — Per Leg





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