

Maximum surge current per leg Max repetitive peak reverse current per leg R(OV) 2 Amps Max peak forward voltage per leg Max peak forward voltage per leg Max peak reverse current per leg Max peak reverse current per leg Typical junction capacitance per leg

FSM 1200 Amps VFM .58 Volts VFМ .74 Volts RM 30 m.A

2 mA

2300 pF

8.3 ms, half sine  $T J = 175^{\circ}$ C f = 1 KHz, 25°C, 1µsec Square wave IFM = 80A:  $T J = 175^{\circ}$ C\*  $^{|}FM = 80A: ^{\top}J = 25^{\circ}C^{*}$ VRRM,  $T_J = 125^{\circ}C^*$ VRRM,  $T_J = 25^{\circ}C^*$ VR = 5.0V,  $T_J = 25^{\circ}C$ 

\*Pulse test: Pulse width 300µusec, Duty cycle 2%

RМ

CJ

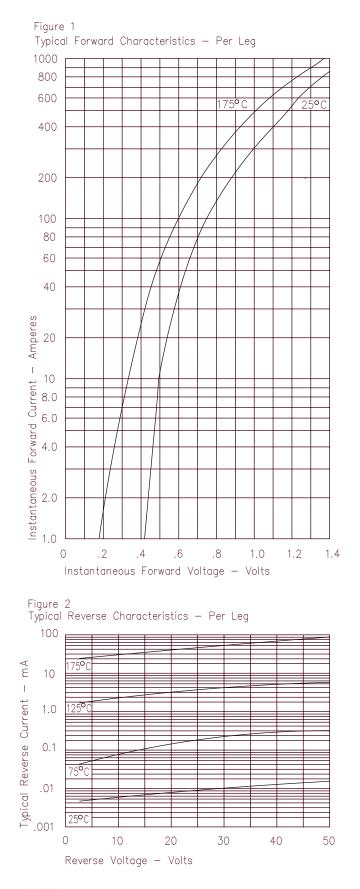
Thermal and Mechanical Characteristics

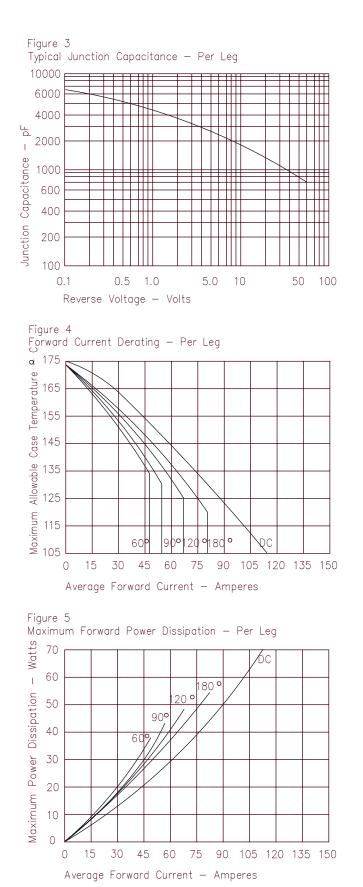
TSTG -55℃ to 175℃ -55℃ to 175℃ Storage temp range ТJ Operating junction temp range Maximum thermal resistance per leg 1.0°C/W Junction to case 0.5°C/W R ⊖JC Maximum thermal resistance per pkg. Junction to case Recs 0.1°C/W Typical thermal resistance (greased) Case to sink 15 - 20 inch pounds Mounting torque Weight 2.5 ounces (71 grams) typical



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FST16035 - FST16050





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