

Thermal and Mechanical Characteristics

TSTG -55℃ to 175℃ -55℃ to 175℃ Storage temp range ТJ Operating junction temp range R _{OJC} Maximum thermal resistance per leg 0.9°C/W Junction to case 0.5°C′/W R ⊖JC Max thermal resistance per pkg. Junction to case Typical thermal resistance (greased) Recs 0.1°C/W Case to sink 15 – 20 inch pounds Mounting torque Weight 2.5 ounces (71 grams) typical

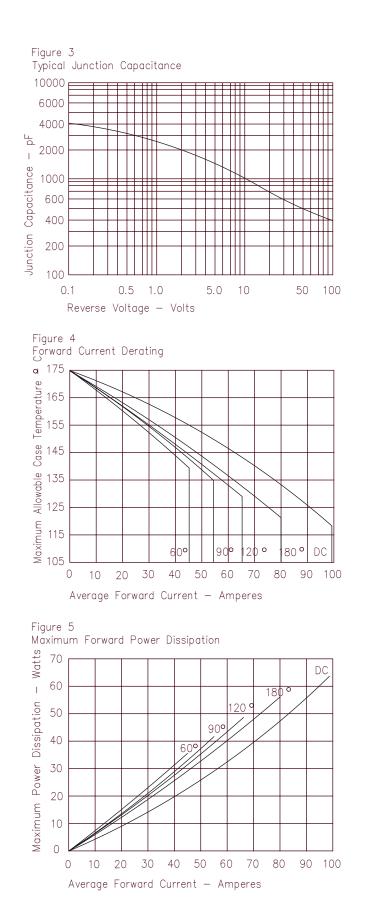


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October, 2012 - Rev. 5

FST16090 -FST160100

Figure 1 Typical Forward Characteristics 1000 800 600 400 200 100 80 60 40 Instantaneous Forward Current - Amperes 20 10 8.0 6.0 4.0 2.0 1.0 .3 .5 .7 .9 0 1.1 1.3 1.5 Instantaneous Forward Voltage - Volts Figure 2 Typical Reverse Characteristics 100 ЧЧ 10 750 I Typical Reverse Current 1.0 50 0.1





20

Reverse Voltage - Volts

40

60

80

100

.01

.001

50

0

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