

Thermal and Mechanical Characteristics

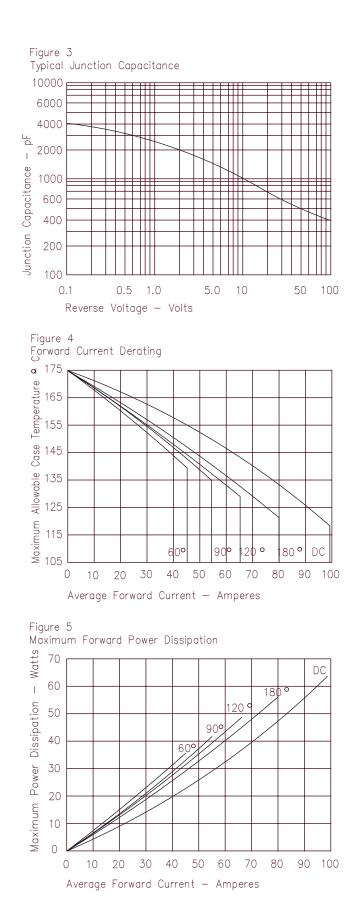
Storage temp rangeTSTGOperating junction temp rangeTJMaximum thermal resistance per legR ØJCMax thermal resistance per pkg.R ØJCTypical thermal resistance (greased)R ØCSMounting torqueWeight	-55°C to 175°C -55°C to 175°C 0.9°C/W Junction to case 0.5°C/W Junction to case 0.1°C/W Case to sink 15 - 20 inch pounds 2.5 ounces (71 grams) typical



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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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