Siliçon Power Rectifier R20 Series Dim. Inches Millimeter Minimum Maximum Minimum Maximum Notes -1 В .424 .437 10.77 11.10 ē .505 12.82 С .600 .800 15.24 20.32 DEF .422 .453 10.72 11.50 J Notes: 4.44 1.91 G H .405 .189 1. 10-32 UNF3A 10,29 Æ -----.163 4.15 2 4.80 7.87 2. Full threads within 2 1/2J .310 threads 3. Standard Polarity Stud Is ____ ---М 350 8.89 Dia .020 .065 .510 Cathode N P 1.65 Reverse Polarity: Stud is .070 .100 1.78 2.54 Dia Anode D0203AA (D04) Peak Reverse Microsemi JEDEC Catalog Number Numbers Voltage Glass Passivated Die Standard • Low Forward Voltage +S2020 200V +S2040 1N1126, 1N1346, 1N1346A, 1N1345B 400V 200A Surge Rating 1N1128, 1N1348, 1N1348A, 1N1348B, 1N1587, 1N1616, 1N2238, 1N2497 600V +S2060 Glass to metal construction + S2080 1N2240 800V · VRRM to 1200V *S20100 1000V Excellent reliability * S20120 1200V *Change S to R in part number for Reverse Polarity **Electrical Characteristics** ^{T}C = 153°C, half sine wave, R 0, C = 2.5°C/W 8.3ms, half sine, ^{T}J = 200°C Average forward current IF(AV) 16 Amps Maximum surge current

IFSM 200 Amps 1²t 165 A²s ^VFM 1.3 Volts FM = 30A: TJ = 25°C + Max peak forward voltage VRRM, TJ = 25°C VRRM, TJ = 150°C RM 10 µA RM 1,0 mA Max peak reverse current Max peak reverse current Max Recommended Operating Frequency 10kHz *Pulse test: Pulse width 300 usec. Duty cycle 2% Thermal and Mechanical Characteristics

TSTG TJ Storage temperature range -65°C to 200°C -65°C to 200°C 2.5°C/W Junction to Case 2.0°C/W Junction to Case Operating junction temp range R OJC R OJC Maximum thermal resistance Typical thermal resistance Mounting torque Weight

30 inch pounds maximum .16 ounces (5.0 grams) typical

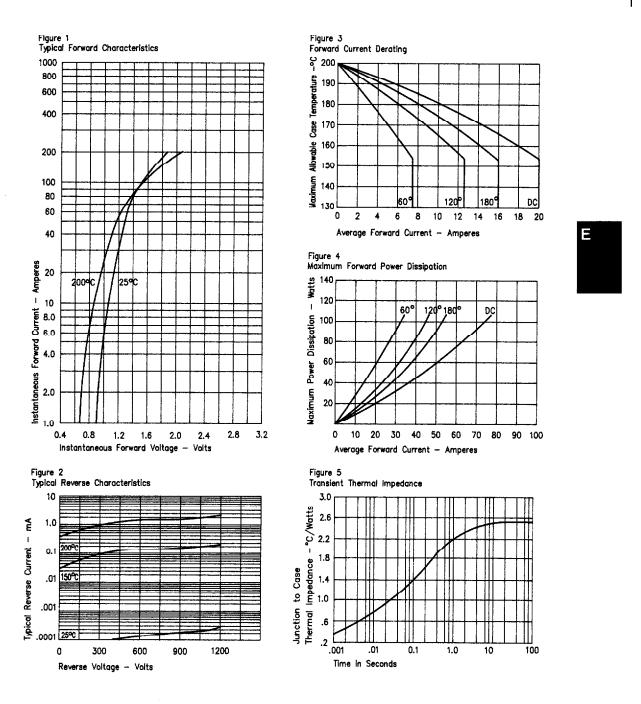
E-6

Micro semi Corp. ¢Colorado

PH: 303-469-2161 FAX: 303-466-3775

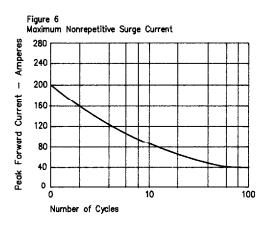
Max 12 t for fusing





E~7





E-8