



Micro Commercial Components



Micro Commercial Components
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R1200F
THRU
R2000F

Features

- Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
High Current Capability
Fast Switching For Higher Efficiency
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C
Storage Temperature: -55°C to +150°C

Table with 5 columns: MCC Catalog Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include R1200F, R1500F, R1800F, R2000F.

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Conditions. Rows include Average Forward Current, Peak Forward Surge Current, Maximum Instantaneous Forward Voltage, Maximum DC Reverse Current, Typical Junction Capacitance, Maximum Reverse Recovery Time.

Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.

500 Milliamp High Voltage Fast Recovery Silicon Rectifier 1200 to 2000 Volts

DO-41

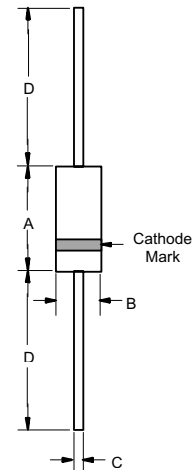
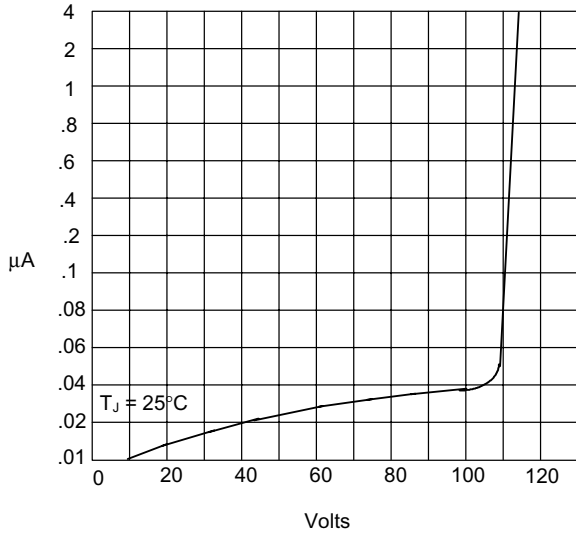


Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows include dimensions A, B, C, D.

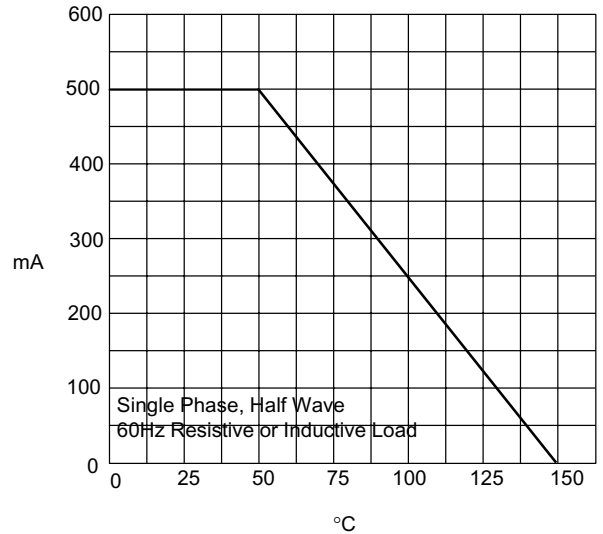
R1200F thru R2000F

Figure 1  
Typical Reverse Characteristics



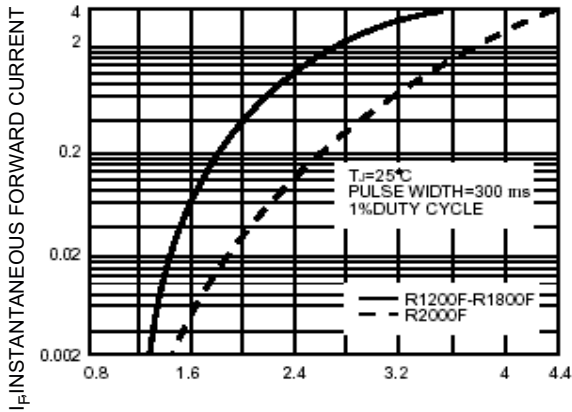
Instantaneous Reverse Current - Micro Amps versus  
Percent Of Rated Peak Reverse Voltage - Volts

Figure 2  
Forward Derating Curve



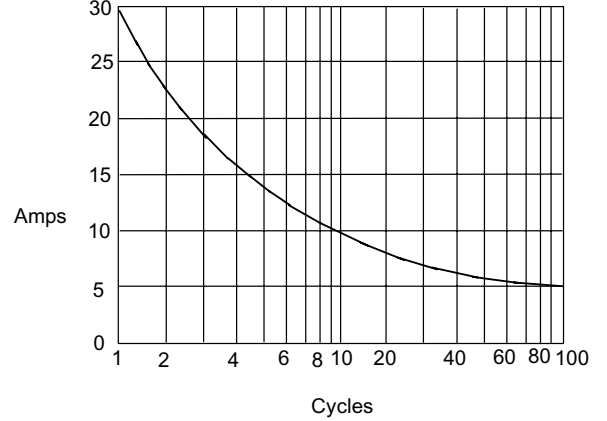
Average Forward Rectified Current - Amperes versus  
Ambient Temperature - °C

Figure 3  
Typical Forward Characteristics



VF, INSTANTANEOUS FORWARD VOLTAGE (V)

Figure 4  
Peak Forward Surge Current



Peak Forward Surge Current - Amperes versus  
Number Of Cycles At 60Hz - Cycles



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 5Kpcs/Reel
Part Number-AP	Ammo Packing: 5Kpcs/Ammo Box
Part Number-BP	Bulk: 50Kpcs/Carton

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MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

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