

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

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
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

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

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
R2000FGP	R2000FGP	2000V	1400V	2000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	500mA	T _A = 50°C
Peak Forward Surge Current	I _{FSM}	30A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V _F	2.5V	I _{FM} = 0.5A; T _A = 50°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0μΑ 50μΑ	T _A = 25°C T _A = 100°C
Typical Junction Capacitance	CJ	30pF	Measured at 1.0MHz, V _R =4.0V
Maximum Reverse Recovery Time	T _{rr}	500nS	

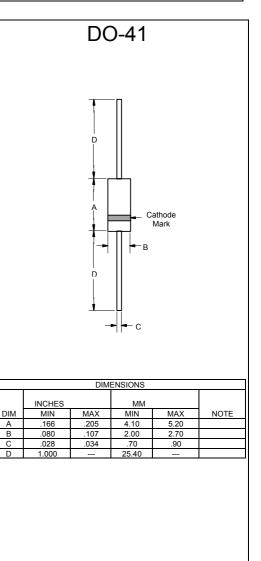
Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.

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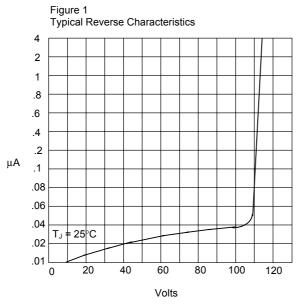
R2000FGP

0.5 Amp High Voltage Fast Recovery Glass Passivated Rectifier 2000 Volts

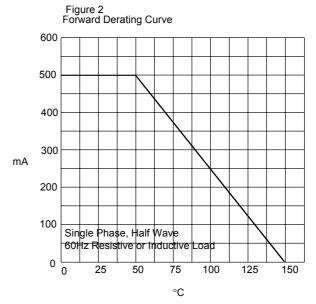




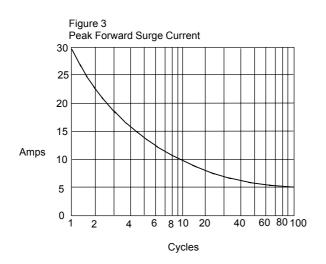
R2000FGP



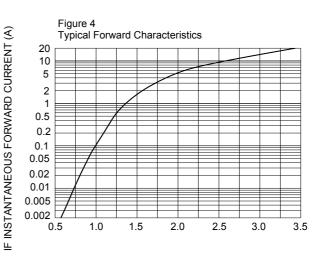
Instantaneous Reverse Current - Micro Ampsversus Percent Of Rated Peak Reverse Voltage - Volts



Average Forward Rectified Current - Amperes/ersus Ambient Temperature -°C



Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles



VF INSTANTANEOUS FORWARD VOLTAGE (V)

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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	

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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CUSTOMER AWARENESS

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

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