

Micro Commercial Components



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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"

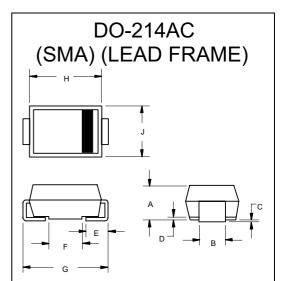
Maximum Ratings

- 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
FM2000GP	FM20	2000V	1400V	2000V

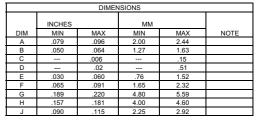
FM2000GP

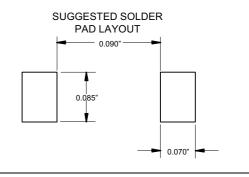
0.5 Amp High Voltage Fast Recovery Glass Passivated Rectifier 2000 Volts



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	4.0V	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	



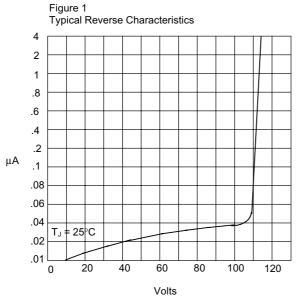


Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.

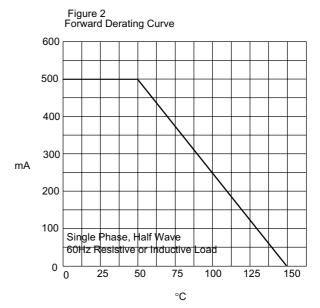
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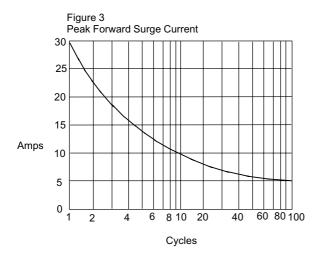
FM2000GP



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





Ordering Information :

Device	Packing	
FM2000GP-TP	Tape&Reel: 7.5Kpcs/Reel	

Note : Adding "-HF" suffix for halogen free, eg. FM2000GP-TP-HF

*****IMPORTANT NOTICE*****

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CUSTOMER AWARENESS

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