

Features

- High Reliability
- · Glass Passivated Junction
- Fast Switching For Higher Efficiency
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant(Note 2) ("P" Suffix Designates Compliant. See Ordering Information)

0.5 Amp High Voltage Fast Recovery Rectifier 4000 Volts

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum	Maximum DC Blocking Voltage	
FM4000GP	FM40	4500V	2800V	4000V	

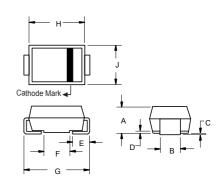
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	500mA	T _A =25°C
Peak Forward Surge Current	I _{FSM}	20A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage	V _F	5.0V	I _{FM} =0.5A; T _J =25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0µA	T _J =25°C
Maximum Reverse Recovery Time	t _{rr}	300nS	I _F =0.5A; I _R =1.0A; I _{rr} =0.25A

Note:

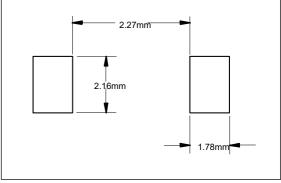
- 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.
- 2. High Temperature Solder Exemption Applied, See EU Directive Annex 7a.

SMA (DO-214AC)



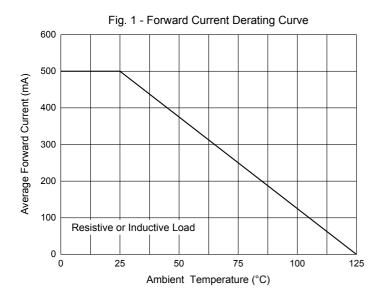
DIMENSIONS							
DIM	INCHES		MM		NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOIL		
Α	0.079	0.096	2.00	2.44			
В	0.050	0.064	1.27	1.63			
С		0.006	0.051	0.203			
D		0.020		0.51			
Е	0.030	0.060	0.76	1.52			
F	0.065	0.091	1.65	2.32			
G	0.189	0.220	4.80	5.59			
Н	0.157	0.181	4.00	4.60			
J	0.090	0.115	2.25	2.92			

SUGGESTED SOLDER PAD LAYOUT





Curve Characteristics



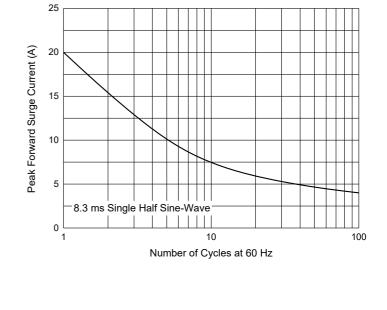
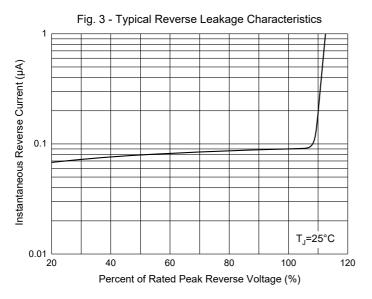


Fig. 2 - Forward Surge Current





Ordering Information

Device	Packing		
Part Number-TP	Tape&Reel: 7.5Kpcs/Reel		

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