

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Super Fast Recovery Times With EPI Die For High Effieciency
- Halogen Free Available Upon Request By Adding Suffix "-HF"

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance: 25°C/W Junction to Lead
- Typical Thermal Resistance: 35°C/W Junction to Ambient

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage	Working Peak Reverse Voltage
MURS3G	MURS3G	400V	280V	400V	300V

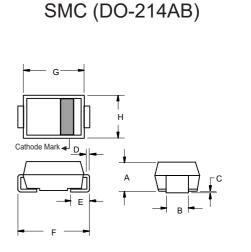
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	3.0A	T _L =110⁰C
Peak Forward Surge Current	I _{FSM}	100A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage	V _F	1.0V 0.92V(typ)	I _{FM} =3.0A; T _J =25⁰C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0μΑ 200μΑ	T _J =25⁰C; T _J =100⁰C
Maximum Reverse Recovery Time	T _{RR}	35ns	I _F =0.5A; I _R =1.0A; Irr=0.25A
Pulse Energy in Avalanche Mode, Non Repetitive (Inductive Load Switch Off)	E _R	25mJ	I _{(BR)R} =1A, T _J =25°C
Typical Junction Capacitance	CJ	40pF	Measured at 1.0MHz, V _R =4.0V

*Pulse Test: Pulse Width 300 $\mu sec,$ Duty Cycle 2%

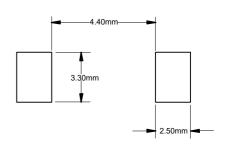
1. High Temperature Solder Exemptions Applied, See EU Directive Annex 7a.

3 Amp Super Fast Recovery Rectifier 400 Volts



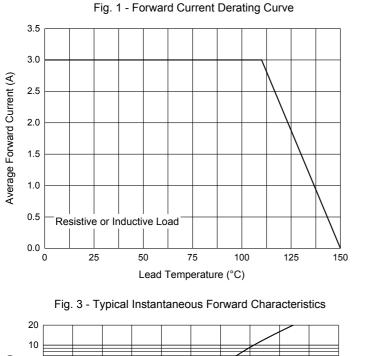
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
Α	0.079	0.103	2.00	2.62	
В	0.108	0.128	2.75	3.25	
С	0.002	0.008	0.051	0.203	
D	0.006	0.012	0.152	0.305	
E	0.030	0.060	0.76	1.52	
F	0.305	0.320	7.75	8.13	
G	0.260	0.280	6.60	7.11	
Н	0.220	0.245	5.59	6.22	

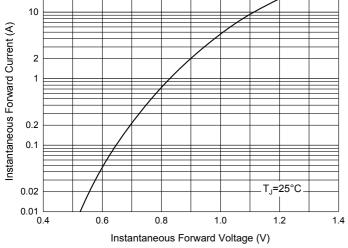
Suggested Solder Pad Layout

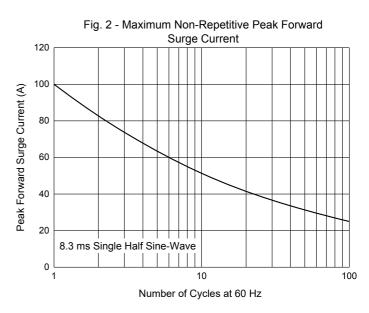




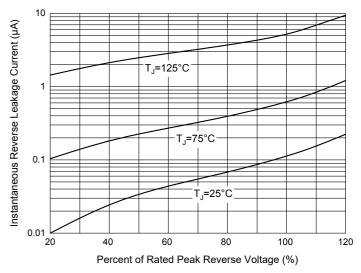
Curve Characteristics













Device	Packing	
Part Number-TP	Tape&Reel: 3Kpcs/Reel	

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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