



Micro Commercial Components

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MURS2J

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: Cathode band and type number

2 Amp Super Fast Recovery Rectifier 600 Volts

Maximum Ratings

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

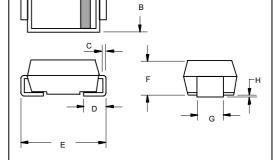
MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MURS2J	600V	420V	600V

Electrical Characteristics $@25^{\circ}$ C Unless Otherwise Specified

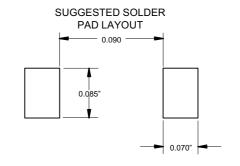
Average Forward Current	$I_{F(AV)}$	2.0A	T _A = 85°C
Peak Forward Surge Current	I _{FSM}	50A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V _F	1.25V	I _{FM} = 2.0A;T _A =25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5μΑ 50μΑ	T _A = 25°C T _A = 125°C
Maximum Reverse Recovery Time	T _{rr}	50ns	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A
Thermal Resistance junction to Ambient	R_{thJA}	50°C/W	

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

DO-214AA (SMB) (LEAD FRAME)

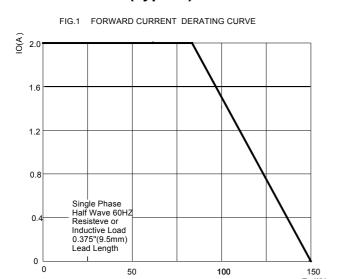


DIMENSIONS						
	INCHES		ММ			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.160	.185	4.06	4.70		
В	.130	.155	3.30	3.94		
С	.006	.012	0.15	0.31		
D	.030	.060	0.76	1.52		
Е	.200	.220	5.08	5.59		
F	.079	.096	2.00	2.44		
G	.075	.087	1.91	2.21		
Н	.002	.008	0.05	0.203		



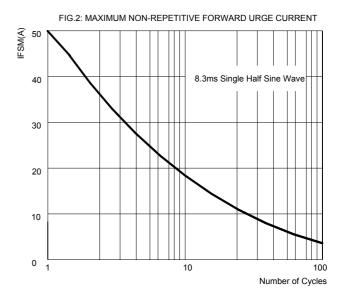


■Characteristics(Typical)



100

150 Ta(°C)



<u>(4</u>) 100 10 1.0 0.1 Pulse width=300u 1% Duty Cycle

1.2

1.4

1.6

1.8

VF(V)

0.01 0.4

0.6

0.8

FIG.3 TYPICAL FORWARD CHARACTERISTICS

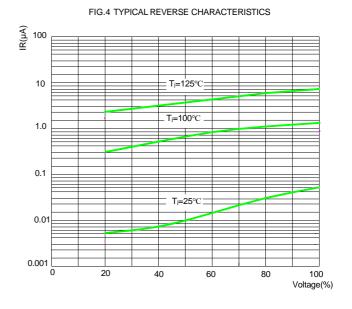
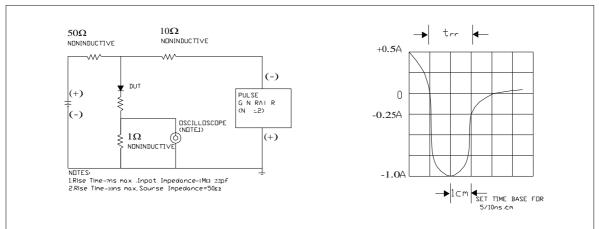


FIG.5 Diagram of circuit and Testing wave form of reverse recovery time





Ordering Information:

Device	Packing		
MURS2J-TP	Tape&Reel: 3Kpcs/Reel		

Note: Adding "-HF" suffix for halogen free, eg. MURS2J-TP- HF

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