

Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- · High Forward Surge Current Capability
- Low Reverse Leakage
- 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

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance:2°C/W Junction to Case

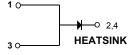
MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MURB2020C	200V	140V	200V

Electrical Characteristics @ 25°C Unless Otherwise Specified

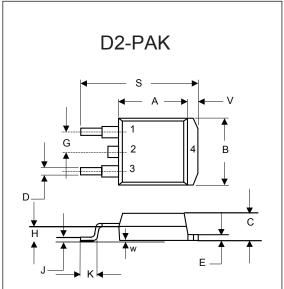
Average Rectified Forward Current (Rated VR-20Khz Square Wave) - 50% Duty Cycle	I _{F(AV)}	20A	T _C =120°C
Peak Forward Surge Current	I _{FSM}	350A	8.3ms,Half Sine Wave
Maximum Instantaneous Forward Voltage	V_{F}	0.95V(Typ) 1.15V(Max) 0.90V(Max)	I _F =20A;T _J =25°C I _F =20A;T _J =25°C I _F =20A;T _J =125°C
Maximum Reverse Current At Rated DC Blocking Voltage	I _R	0.01mA 0.1mA	T _J =25°C; T _J =125°C
Maximum Reverse Recovery Time	t _{rr}	35ns	I _F =0.5A; I _R =1.0A; I _{RR} =0.25A

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

Internal Structure

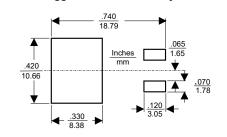


20 Amp Super Fast Recovery Rectifier 200 Volts



DIMENSIONS						
DIM	INCHES		MM		NOTE	
Dilvi	MIN	MAX	MIN	MAX	NOTE	
Α	0.320	0.359	8.13	9.14		
В	0.374	0.453	9.50	11.50		
С	0.160	0.200	4.06	5.10		
D	0.020	0.038	0.51	0.96		
Е	0.045	0.055	1.14	1.40		
G	0.083	0.110	2.10	2.80		
Н	0.096	0.134	2.43	3.40		
J	0.011	0.025	0.28	0.64		
K	0.090	0.131	2.29	3.32		
S	0.575	0.652	14.22	16.55		
V	0.042	0.058	1.07	1.47		
W	0.000	800.0	0.00	0.20		

Suggested Solder Pad Layout





Curve Characteristics

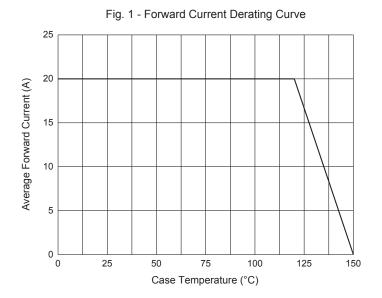


Fig. 3 - Typical Reverse Leakage Characteristics

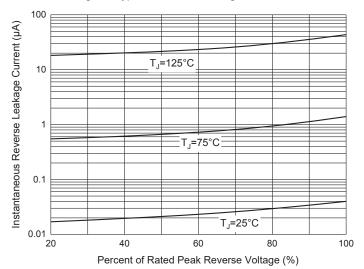
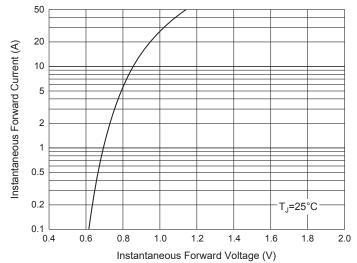


Fig. 2 - Typical Instantaneous Forward Characteristics





Ordering Information

Device	Packing	
Part Number-TP	Tape&Reel: 800pcs/Reel	
Part Number-BP	Tube: 5Kpcs/Ctn	

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

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