Micro Commercial Components

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MBR20100PS

20 Amp Schottky Barrier Rectifier 100 Volts

Features

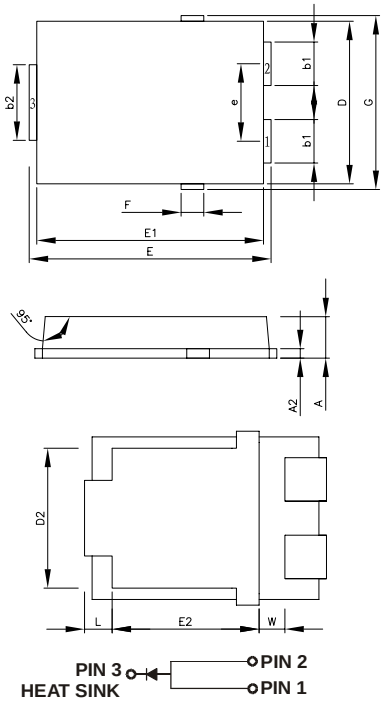
- Halogen free available upon request by adding suffix "-HF"
- Low forward voltage drop
- Super long operating life
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +125°C

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBR20100PS	20100	100V	70V	100V

TO-277A



DIM	INCHES MIN	INCHES MAX	MM MIN	MM MAX	NOTE
A	.039	.047	1.00	1.20	
A2	.006	.017	0.20	0.30	
b1	.030	.041	1.10	1.20	
b2	.065	.077	1.90	2.10	
D	.148	.169	4.20	4.40	
D2	.110	.126	3.95	4.05	
E	.250	.264	6.30	6.50	
e	.065	.077	2.00	2.10	
E1	.207	.228	5.90	6.10	
E2	.149	.157	3.79	3.99	
L	.027	.031	0.68	0.78	
W	.025	.029	0.63	0.73	
F	.022	.026	0.55	0.65	
G	.177	.185	4.50	4.70	

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	20A	T_L = 120°C
Peak Forward Surge Current	I_{FSM}	275A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	.85V	I_{FM} = 20 A
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	0.15mA	T_J = 25°C

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

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Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 5Kpcs/Reel

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

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