



Micro Commercial Components



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MURD820

8 Amp Super Fast Rectifiers 200 Volts

Features

- Super fast switching for high efficiency.
- Low reverse leakage.
- High forward surge current capability.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature:- 55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance (Per Leg): 3°C/W Junction to Case

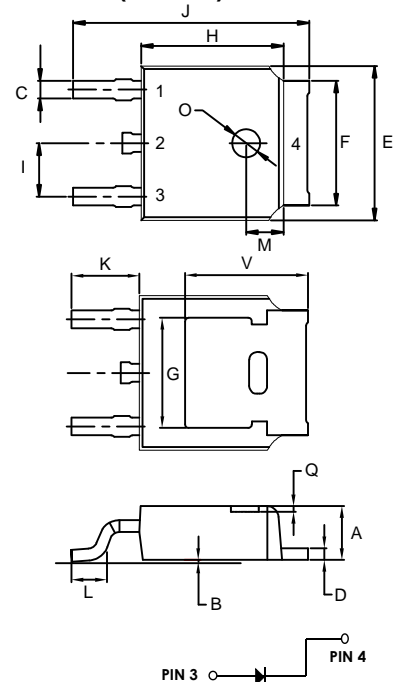
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MURD820	MURD820	200V	140V	200V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Rectified Forward Current (Rated VR-20Khz Square Wave) - 50% duty cycle	$I_{F(AV)}$	8 A	
Peak Forward Surge Current	I_{FSM}	80A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	0.95V(typ) 1.05V(max) 0.90V(max)	$I_F=8A; T_J=25^\circ C$ $I_F=8A; T_J=25^\circ C$ $I_F=8A; T_J=150^\circ C$
Maximum Reverse Current At Rated DC Blocking Voltage	I_R	0.01mA 0.1mA	$T_J = 25^\circ C$ $T_J = 125^\circ C$
Maximum Reverse Recovery Time	T_{rr}	25ns	$I_F=0.5A, I_R=1.0A,$ $I_{REC}=0.25A$

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

(TO-252) DPAK



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.087	0.094	2.20	2.40	
B	0.000	0.005	0.00	0.13	
C	0.026	0.034	0.66	0.86	
D	0.018	0.023	0.46	0.58	
E	0.256	0.264	6.50	6.70	
F	0.201	0.215	5.10	5.46	
G	0.190		4.83		
H	0.236	0.244	6.00	6.20	
I	0.086	0.094	2.18	2.39	
J	0.386	0.409	9.80	10.40	
K	0.114		2.90		
L	0.055	0.067	1.40	1.70	
M	0.063		1.60		
O	0.043	0.051	1.10	1.30	
Q	0.000	0.012	0.00	0.30	
V	0.211		5.35		



Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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