



Micro Commercial Components

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Features

- Glass passivated chip
- Superfast switching time for high efficiency
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

Maximum Ratings

- Operating Junction Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance : Junction to case(Rthjc)=2.5 °C /W

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MUR805F	MUR820F	50V	35V	50V
MUR810F	MUR810F	100V	70V	100V
MUR820F	MUR820F	200V	140V	200V
MUR840F	MUR840F	400V	280V	400V
MUR860F	MUR860F	600V	420V	600V

Electrical Characteristics @ 25°C Unless Otherwise Specified

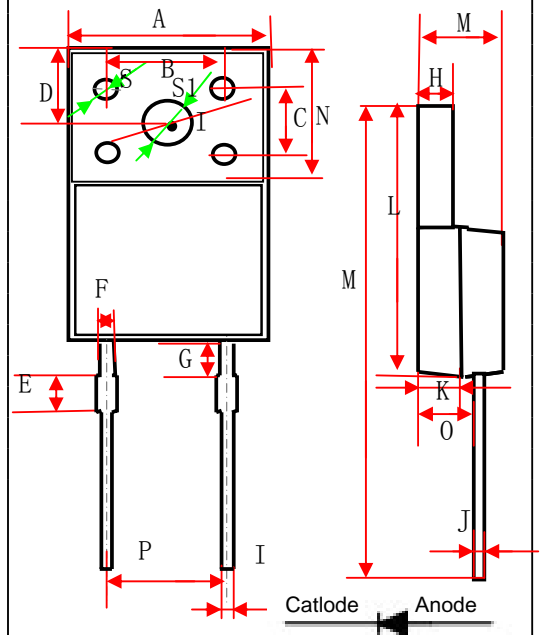
Average Forward Current	$I_{F(AV)}$	8.0A	
Peak Forward Surge Current	I_{FSM}	150A	8.3 ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	0.95V 1.30V 1.50V	$I_{FM} = 8 A$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10uA 400uA	$T_A = 25^\circ C$ $T_A = 125^\circ C$
Maximum Reverse Recovery Time	T_{rr}	50ns	$I_F=0.5A, I_R=1.0A,$ $I_{rr}=0.25A$

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

MUR805F THRU MUR860F

8 Amp Super Fast Glass Passivated Rectifier 200 to 600 Volts

ITO-220AC



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.396	.404	10.06	10.26	
B	.250	.258	6.35	6.55	
C	.134	.142	3.40	3.60	
D	.102	.110	2.60	2.80	
E	.067	.075	1.70	1.90	
F	.043	.051	1.10	1.30	
G	.068	.073	1.75	1.85	
H	.100	.104	2.55	2.65	
I	.018	.030	0.45	0.75	
J	.018	.030	0.45	0.75	
K	.047	.055	1.20	1.40	
L	.583	.598	14.80	15.20	
M	1.102	1.12	28.00	28.40	
N	.256	.272	6.50	6.90	
O	.380	.420	2.60	2.80	
P	.197	.203	5.00	5.16	

MUR805F thru MUR860F

RATING AND CHARACTERISTIC CURVES

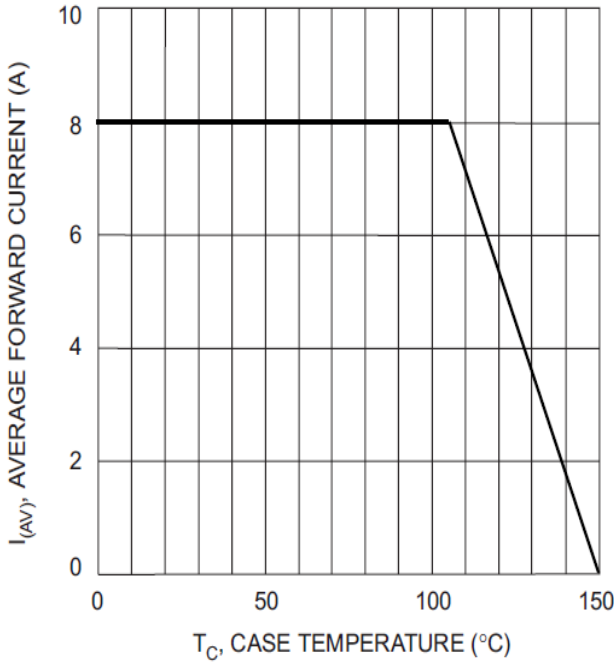


Fig-1
Forward Current Derating Curve

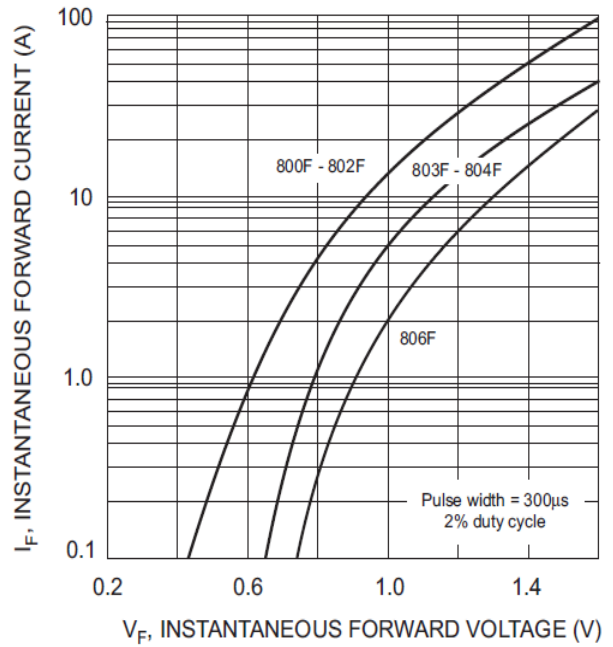


Fig-2
Typical Forward Voltage Characteristics

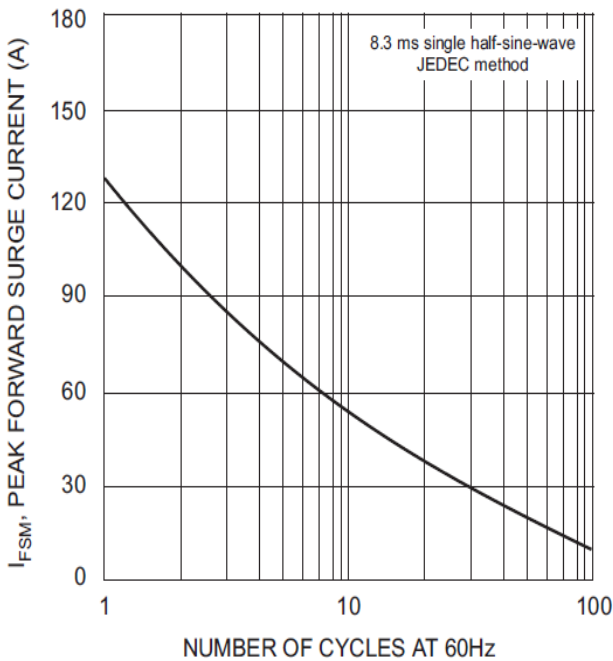


Fig-3
Max Non-Repetitive Surge Current

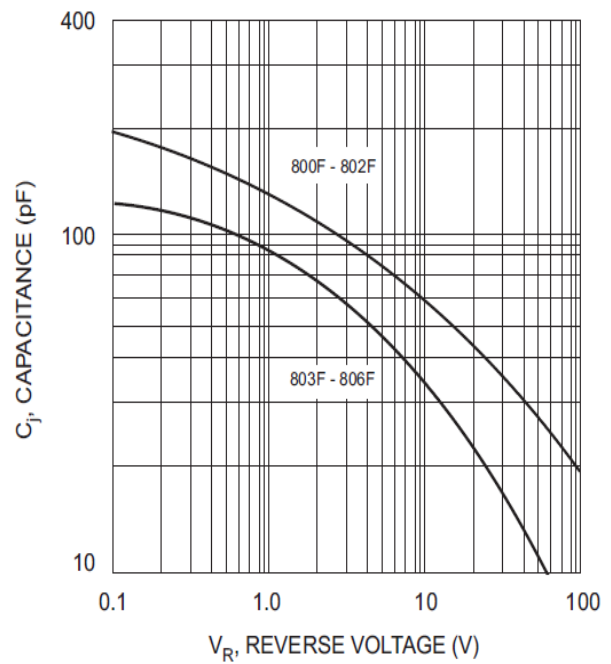


Fig-4
Typical Junction Capacitance



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Ordering Information

Device	Packing
(Part Number)-BP	Bulk;1Kpcs/Box

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