

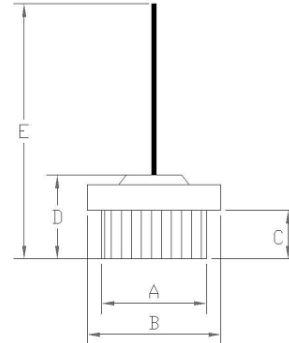
Features

- * High surge capability
- * Low Leakage
- * Low Forward Voltage Drop
- * High Current Capability
- * Hermetic Press-fit Package

Polarities Identification

BP352P: P-Positive

BP352N: N-Negative



A=∅12.75±0.45mm B=∅15.8±0.2mm
C=5.6±0.1mm D=9.75±0.15mm
E=30.0mm max

MPxx: Motorola Style

MP CASE

Maximum Ratings and Electrical Characteristics					
Ratings At 25°C Ambient Temperature Unless Otherwise Specified. Single-Phase, Half-Wave, 60Hz, Resistive Or Inductive Load					
Characteristics	Symbol	MP502	MP504	MP506	Unit
Maximum recurrent Reverse Voltage	VRRM	200	400	600	Volts
Maximum RMS Voltage	VRMS	140	280	420	Volts
Maximum DC Blocking Voltage(TA=25oC)	VDC	200	400	600	Volts
Maximum Average Forward Rectified Current @ TL=125°C	Io	50			Amps
Non- Repetitive Peak Surge Current Surge Supplied at Rated Load Conditions (8.3ms Single half Sine-wave on (JEDEC Method) TL=25°C	IFSM	600			Amps
Maximum Instantaneous Forward Voltage (IF=100 Amps , Tc=25°C)	VF	1.15			Volts
Maximum DC Reverse Current TA=25°C at Rated DC Blocking Voltage TA=100°C	IR	5 500			µA
Operating Junction and Storage Temperature Range	TJ, TSTG	-55 to +150			°C
Forward Voltage Temperature Coefficient @ IF=10mA	VFTS	2			mV/°C
Operating And Storage Temperature Range	TJ,TSTG	-55 to +150			°C

RATINGS AND CHARACTERISTIC CURVES MP502 THRU MP506

FIG. 1 - FORWARD CURRENT DERATING CURVE

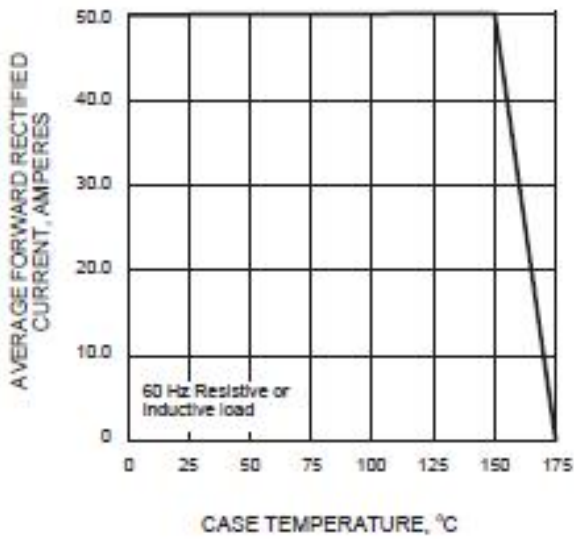


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

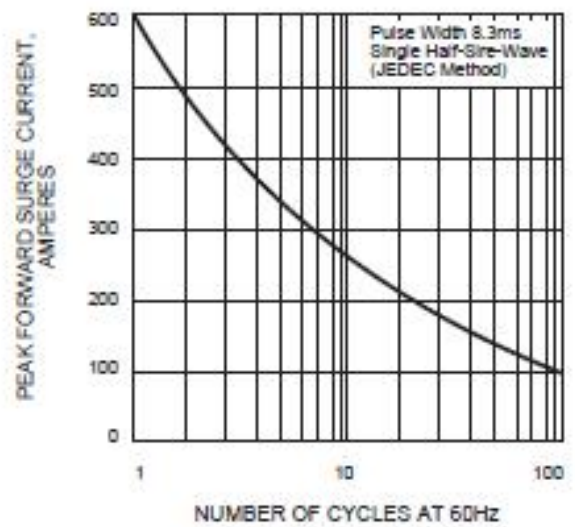


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

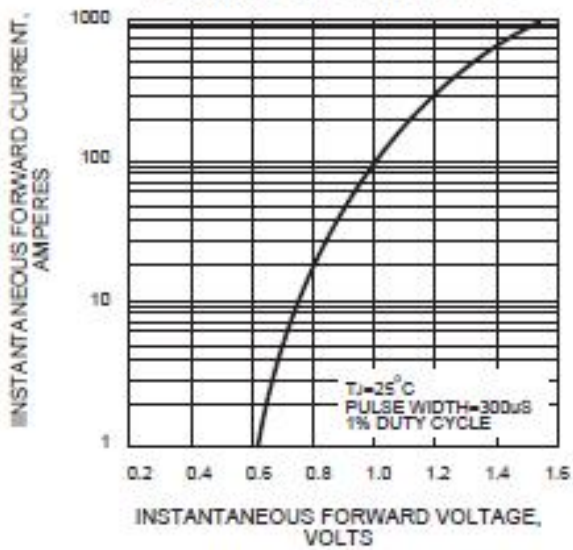


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

