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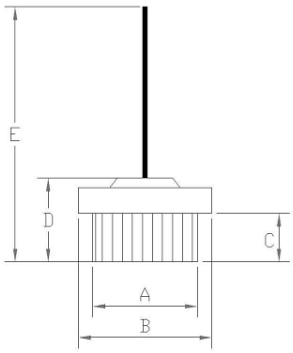
MP352-MP356

35 A, 200 to 600 V

PRESS-FIT MOTOROLA DIODES

Features

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



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

Polarities Identification

MP352P: P-Positive

MP352N: N-Negative

MPxx: Motorola Style **MPCASE**

Maximum Ratings and Electrical Characteristics

Ratings At 25℃ Ambient Temperature Unless Otherwise Specified.Single-Phase, Half-Wave, 60Hz , Resistive Or Inductive Load

Characteristics	Symbol	MP352	MP354	MP356	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℃	Io	35			Amps
Non- Repetitive Peak Surge Current Surge Supplied at Rated Load Conditions (8.3ms Single half Sine-wave on (JEDEC Method) TL=25℃	IFSM	400			Amps
Maximum Instantaneous Forward Voltage (IF=80 Amps , Tc=25℃)	VF	1.15			Volts
Maximum DC Reverse Current TA=25℃ at Rated DC Blocking Voltage TA=100℃	IR	5 500			μA
Operating Junction and Storage Temperature Range	TJ, TSTG	-55 to +150			℃
Forward Voltage Temperature Coefficient @ IF=10mA	VFTS	2			mV/℃
Operating And Storage Temperature Range	TJ,TSTG	-55 to +150			℃

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RATINGS AND CHARACTERISTIC CURVES MP352 THRU MP356

FIG.1 - FORWARD CURRENT DERATING CURVE

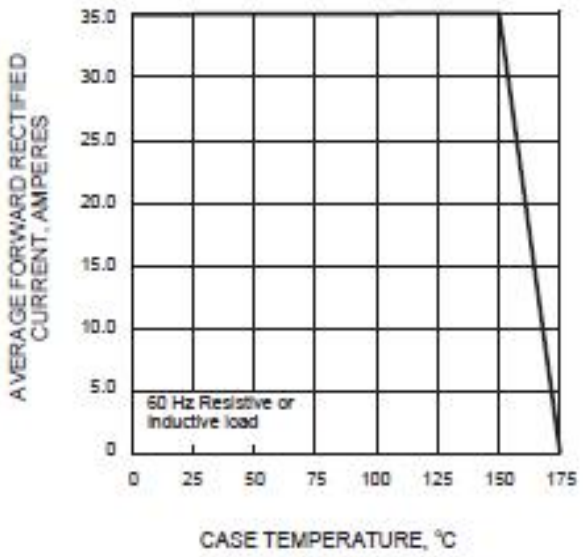


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

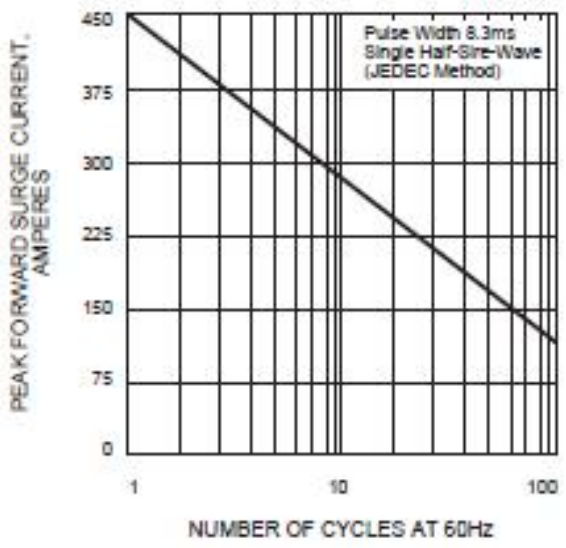


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

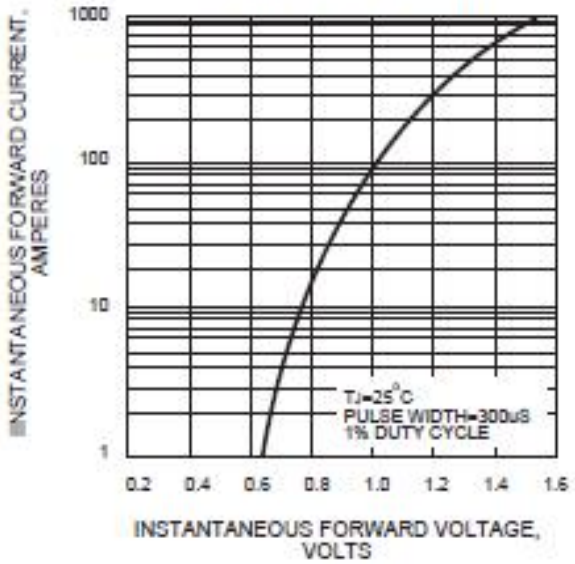


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

