BP352-BP356

35 A, 200 to 600 V

PRESS-FIT BOSCH DIODES

Features

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

Polarities Identification

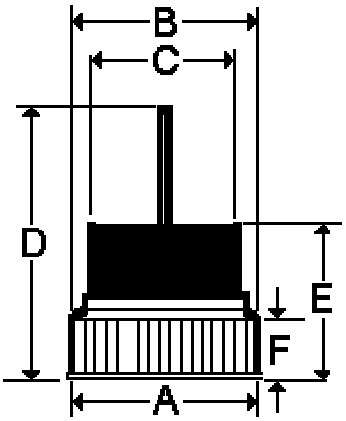
BP352P: P-Positive

Sealed With White or Brown Color Epoxy

BP352N: N-Negative

Sealed With Black or Blue Color Epoxy

BPxx: Bosch Style



A =ψ13.0 ± 0.2mm
B =ψ12.75 ~ 12.84mm
C =ψ11.9±0.1 mm
D = 29mm Min
E = 8.5±0.5 .0mm
F = 4.5 ± 0.2mm
LEAD =ψ1.28mm

BP CASE

Maximum Ratings and Electrical Characteristics

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

Characteristics	Symbol	BP352	BP354	BP356	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			℃

RATINGS AND CHARACTERISTIC CURVES BP352 THRU BP356

FIG.1 - FORWARD CURRENT DERATING CURVE

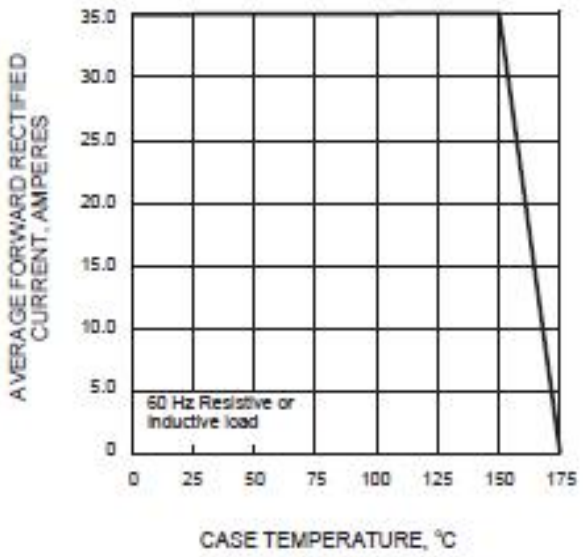


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

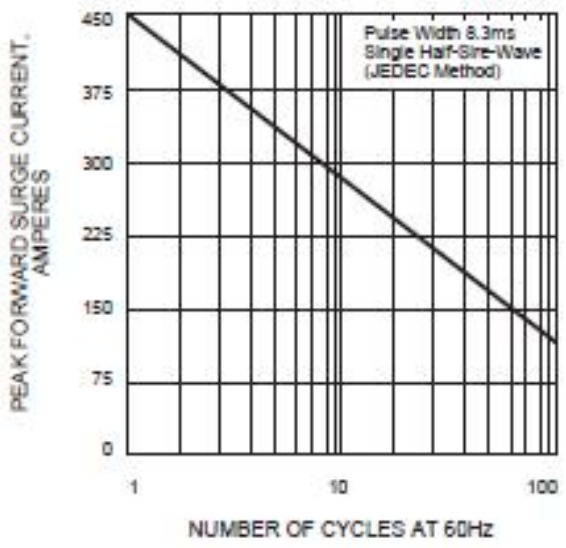


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

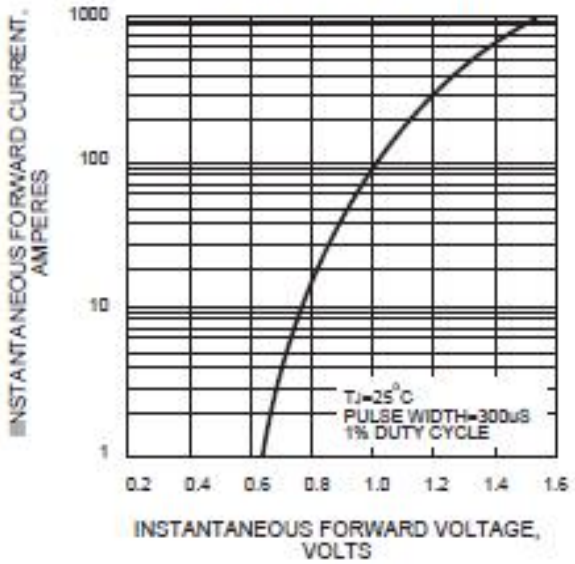


FIG.4 - TYPICAL REVERSE CHARACTERISTICS