BD352 thru BD356

35 AMP,200V-600V
BLOCK DIODES

FEATURES

High current capability

High voltage available

Glass passivated die construction

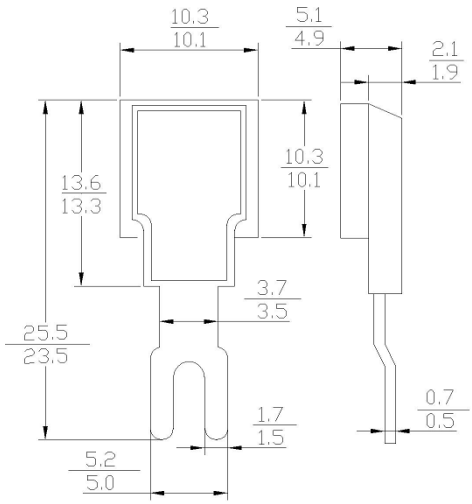
High surge current capability

35Ampere Operation At TL=125℃ With No Thermal Runaway

MECHANICAL DATA

BD352N N-Negative
BD352P P-positive

BLOCK DIODE



Dimension in millimeters

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ Ambient temp. Unless otherwise specified.Single phase, half sine wave, 60HZ,resistive or inductive load. For capacitive load, derate current by 20%

	SYMBOL	BD352 BD354	BD356	UNITS
Maximum Current Peak Reverse Voltage	VRRM	200 400	600	Volts
Maximum RMS Voltage	VRMS	140 280	420	Volts
Maximum DC Blocking Voltage	VDC	200 400	600	Volts
T_L=100℃ Maximum Average Forward Rectified Current	I(AV)	35		Amps
Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)	IFSM	350		Amps
Maximum Instantaneous Forward Voltage Drop at 35A DC	VF	1.1		Volts
Maximum DC Reverse Current T_A=25℃ at Rated DC Blocking Voltage T_A=100℃	IR	5 500		uA
Typical thermal resistance	RΘJA	1.0		℃/W
Operating AND Storage Temperature Range	TSTG/ TJ	-55 to +150		℃

FIG. 1 –MAXIMUM AVERAGE FORWARD CURRENT DERATING

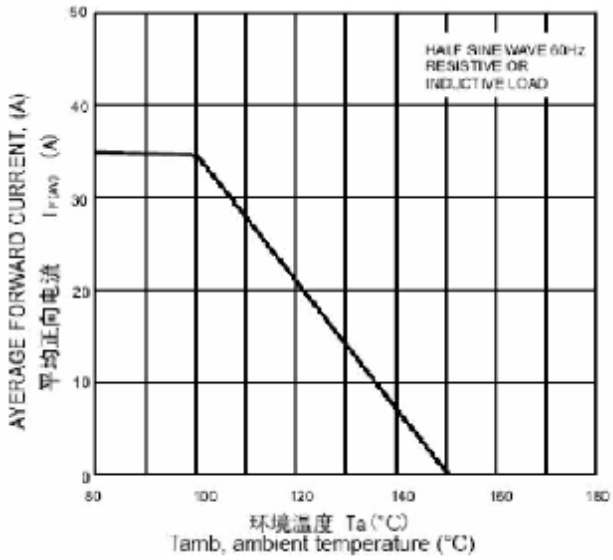


FIG. 2 –MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

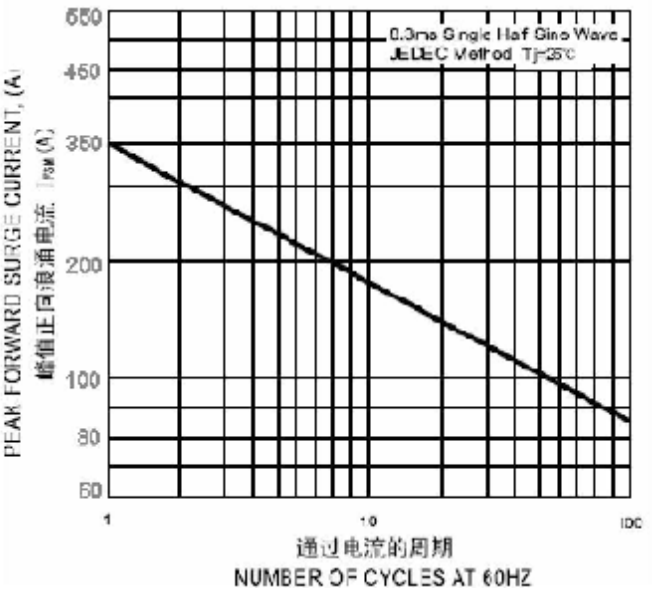


FIG. 3 – TYPICA REVERSE CHARACTERISTICS

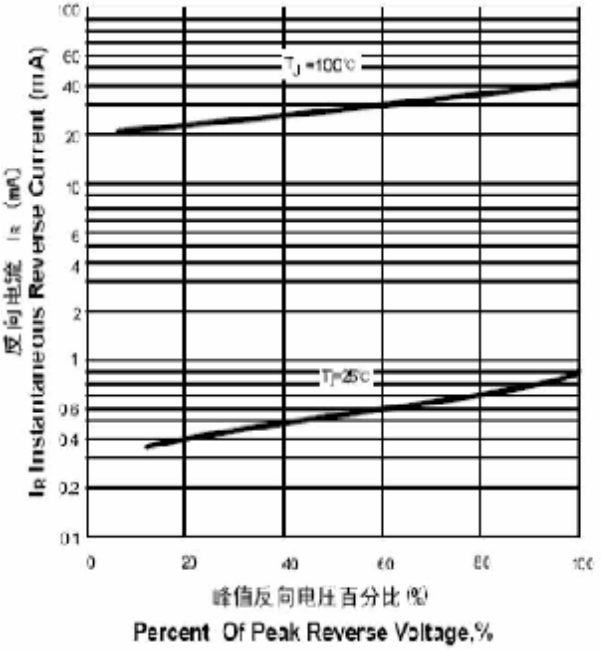


FIG.4 – TYPICA FORWARD CHARACTERISTICS