

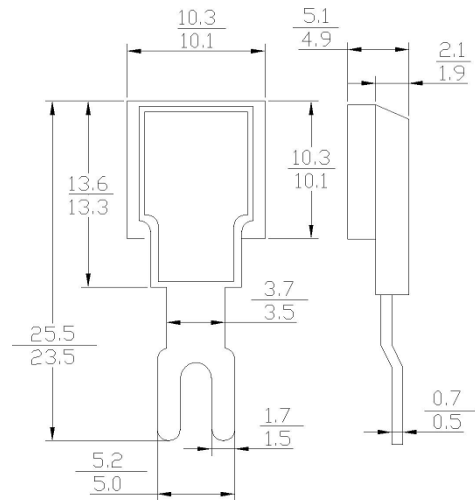
## FEATURES

- High current capability
- High voltage available
- Glass passivated die construction
- High surge current capability
- 35Ampere Operation At TL=125°C 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°C 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
TL=100°C 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 at Rated DC Blocking Voltage TA=25°C TA=100°C	IR	5 500			uA
Typical thermal resistance	RθJA	1.0			°C/W
Operating AND Storage Temperature Range	TSTG/ TJ	-55 to +150			°C

# RATING AND CHARACTERISTIC CURVES BD352N THRU BD352P

FIG. 1 – MAXIMUM AVERAGE FORWARD CURRENT DERATING

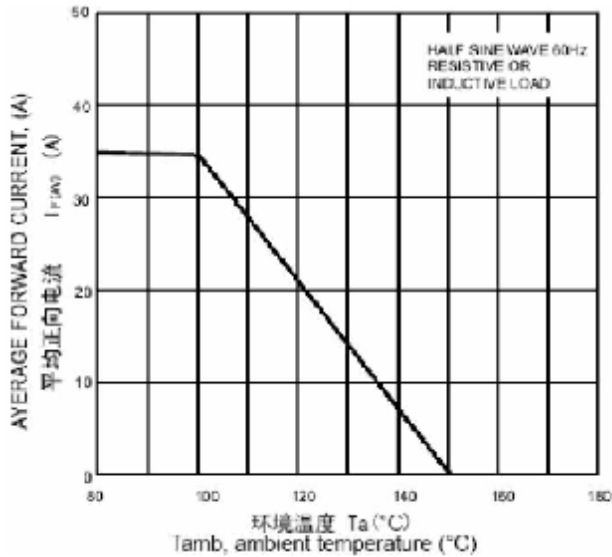


FIG. 2 – MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

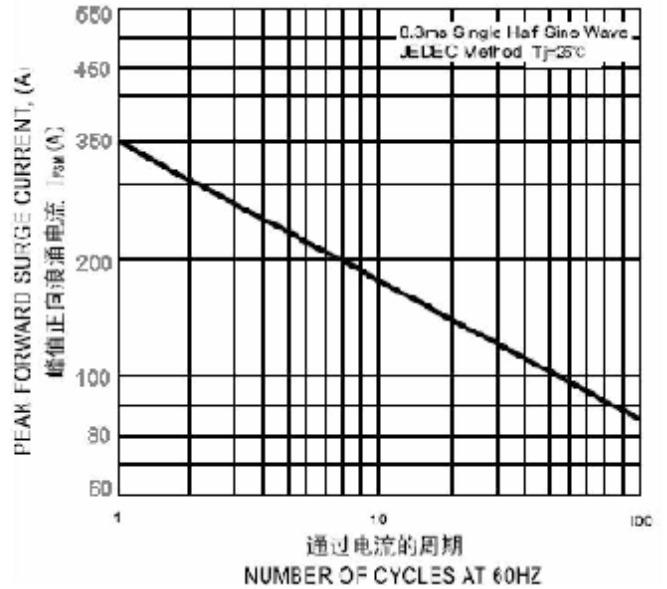


FIG. 3 – TYPICAL REVERSE CHARACTERISTICS

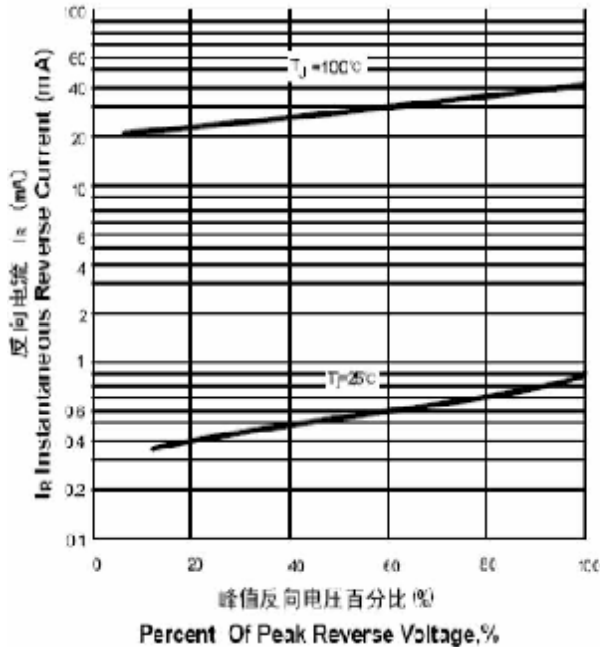


FIG. 4 – TYPICAL FORWARD CHARACTERISTICS

