



CHENYI ELECTRONICS

RB151 THRU RB157

SINGLE PHASE GLASS
PASSIVATED BRIDGE RECTIFIER

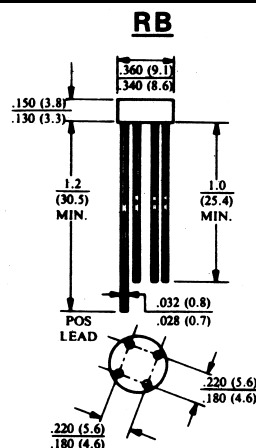
Voltage: 50 TO 1000V CURRENT:1.5A

FEATURES

- Ideal for printed circuit board
- Reliable low cost construction
- Surge overload rating:50 A peak

MECHANICAL DATA

- Terminal:** Plated leads solderable per
MIL-STD 202E, method 208C
- Case:** UL-94 Class V-0 recognized Flame Retardant Epoxy
- Polarity:** Polarity symbol marked on body
- Mounting position:** any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave, 60HZ, resistive or inductive load rating at 25 °C , unless otherwise stated,
for capacitive load, derate current by 20%)

	SYMBOL	RB 151	RB 152	RB 153	RB 154	RB 155	RB 156	RB 157	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified current at Ta=25 °C	If(av)	1.5							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	50							A
Maximum Instantaneous Forward Voltage at forward current 1.0A	Vf	1.1							V
Maximum DC Reverse Voltage Ta=25 °C at rated DC blocking voltage Ta=100 °C	Ir	10.0							μ A
		1.0							m A
Tyoical Junction Capacitance	Cj	24							pF
Operating Temperature Range	Tj	-55 to +125							°C
Storage and operation Junction Temperature	Tstg	-55 to +150							°C
Note: 1.Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc									

RATINGS AND CHARACTERISTIC CURVES RB151 THRU RB157

FIG.1-MAXIMUM NON-REPETITIVE PEAK

FORWARD SURGE CURRENT PER LEG

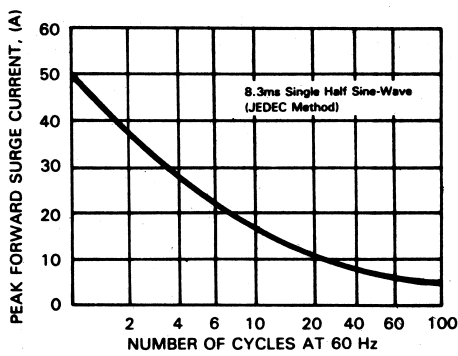


FIG.2-TYPICAL FORWARD CURRENT

DERATING CURVE

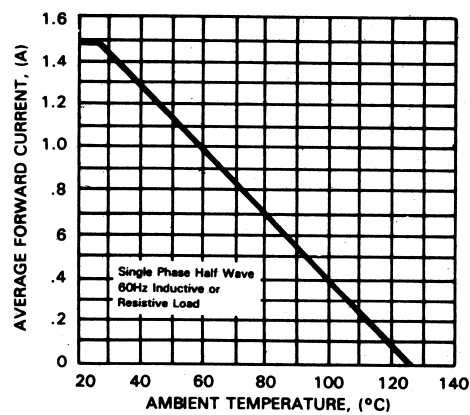


FIG.3-TYPICAL INSTANTANEOUS FORWARD

CHARACTERISTICS

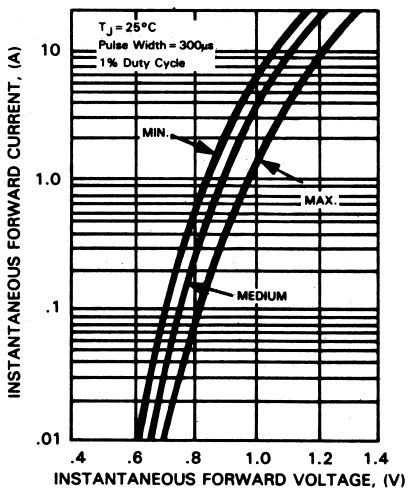


FIG.4-TYPICAL REVERSE CHARACTERISTICS

