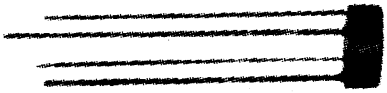
RB151G THRU RB157G

MINIATURE SINGLE PHASE 1.5 AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS



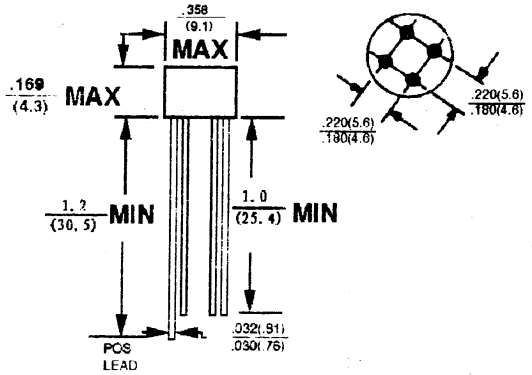
VOLTAGE RANGE

50 to 1000 Volts
CURRENT
1.5 Amperes

FEATURES

* Glass passiviated junction
* Surge overload ratings to 30 amperes peak
* Ideal for printed circuit board
* Reliable low cost construction technique results in inexpensive product

RB-15



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%

TYPE NUMBER	SYMBOLS	RB 151G	RB 152G	RB 153G	RB 154G	RB 155G	RB 156G	RB 157G	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum D.C Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ $T_A = 50℃$	$I_{F(AV)}$	1.5							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load(JEDEC method)	I_{FSM}	50							A
Maximum Forward Voltage Drop per element @ 1.0A	V_F	1.10							V
Maximum Reverse Current at Rated @ $T_A = 25℃$ D.C. Blocking Voltage per element @ $T_A = 125℃$	I_R	10 500							μA μA
Operating Temperature Range	T_J	−55 to +150							℃
Storage Temperature Range	T_{STG}	−55 to +150							℃

RATINGS AND CHARACTERISTIC CURVES (RB151G THRU RB157G)

FIG.1 – MAXIMUM NON – REPETITIVE PEAK FORWARD SURGE CURRENT – PER ELEMENT

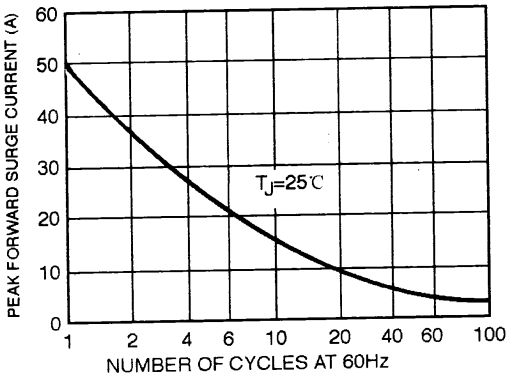


FIG.2 – TYPICAL FORWARD OUTPUT CURRENT DERATING CURVE

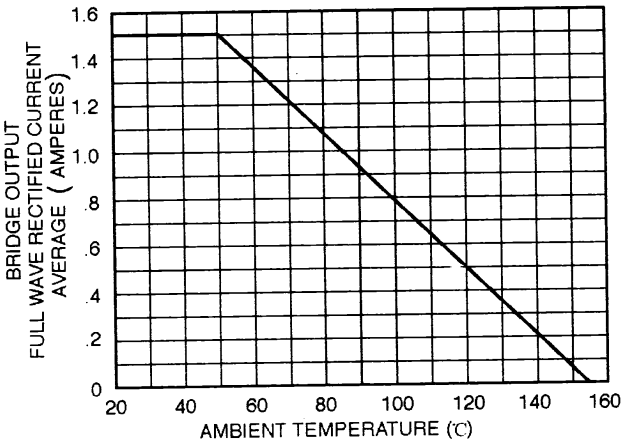


FIG.3 – TYPICAL FORWARD CHARACTERISTICS – PER ELEMENT

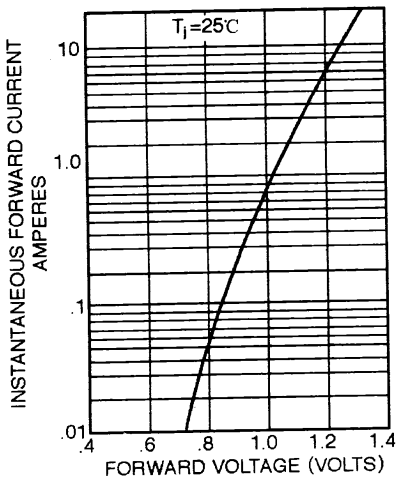


FIG.4 – TYPICAL REVERSE CHARACTERISTICS PER ELEMENT