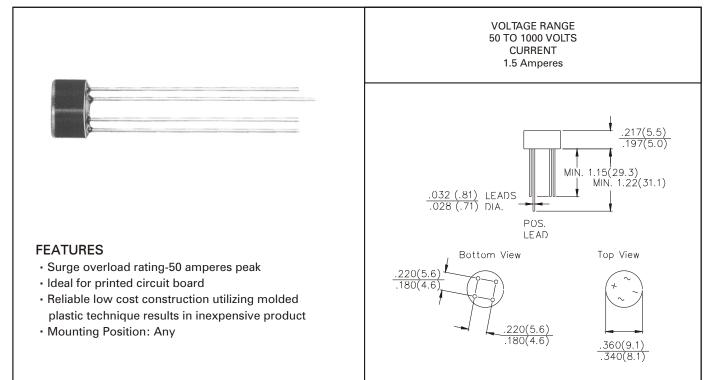
RB151 thru RB157 SERIES

SINGLE-PHASE SILICON BRIDGE





Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

		RB151	RB152	RB153	RB154	RB155	RB156	RB157	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 DC Blocking Voltage	V_{DC}	60	100	200	400	600	800	1000	V
Maximum Average Forward Output Current @ T _A =25°C	V _(AV)				1.5				А
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	40							A
Maximum DC Forward Voltage drop per element at 1.0A DC	$V_{\rm F}$	1							V
Maximum DC Reverse Current at rated @ T _A =25°C DC Blocking Voltage Per Element @ T _A =100°C	I _R	10							μA
		1							mA
I ² t Rating for fusing(t<8.3ms)	l ² t	6.6						A ² S	
Operating Temperature Range	Т _Ј	-55 to +125						°C	
Storage Temperature Range	T _{STG}				-55 to +150)			°C

RB151 thru RB157 SERIES

SINGLE-PHASE SILICON BRIDGE



RATING AND CHARACTERISTICS CURVES RB151 THRU RB157

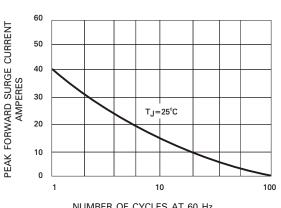
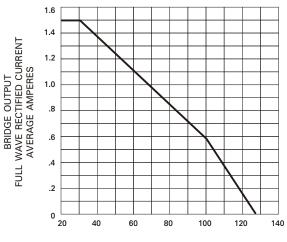


Fig.1 - MAXIMUM FORWARD SURGE CURRENT

NUMBER OF CYCLES AT 60 Hz





AMBIENT TEMPERATURE, °C

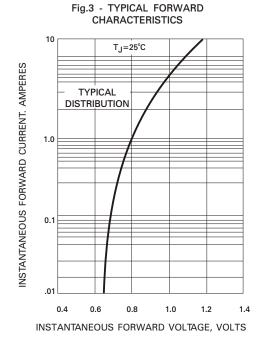


Fig.4 - TYPICAL REVERSE CHARACTERISTICS

