

DB151G THRU DB157G

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

FEATURES:

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High surge current capability
- Small size, simple installation

MECHANICAL DATA

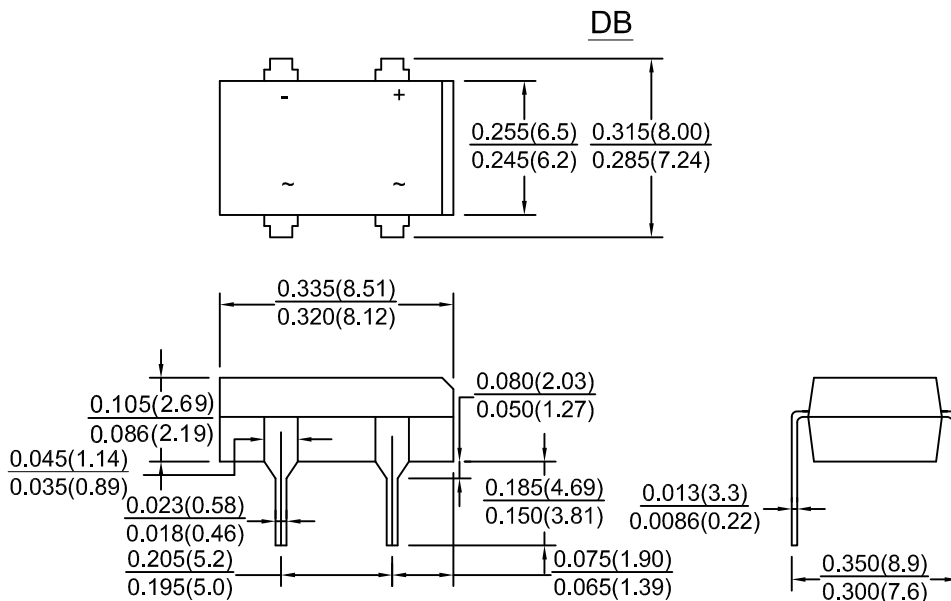
Case : Molded plastic

Terminals : Plated terminals, solderable per MIL-STD-202, Method 208

Polarity : Polarity symbols marked on body

Mounting Position : Any

Handling Precaution : None



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25° C ambient temp. unless otherwise specified.

Single phase, half sine wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20 %.

Characteristic	Symbol	DB	DB	DB	DB	DB	DB	DB	UNITS
		151G	152G	153G	154G	155G	156G	157G	
Maximum recurrent peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	400	1000	Volts
Maximum average forward rectified current at $T_a=40^\circ C$	I_o	1.50							Amps
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load(JEDEC Method)	I_{FSM}	50.0							Amps
Rating for fusing($t<8.3ms$)	I^2t	10.0							A^2sec
Maximum instantaneous forward voltage drop at 1.5 A	V_F	1.1							Volts
Maximum DC reverse current at rated DC blocking voltage	I_R	5.0 500.0							μA
Typical junction capacitance	C_j	14.0							pF
Typical thermal resistance	R_{th-JA}	36.0							$^\circ C/W$
Operating junction and storage temperature range	T_j, T_{stg}	-65 to +150							$^\circ C$

RATINGS AND CHARACTERISTIC CURVES DB151G THRU DB157G

