



SINGLE PHASE GLASS PASSIVATED SMD BRIDGE RECTIFIERS

DBS

FEATURES:

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

MECHANICAL DATA

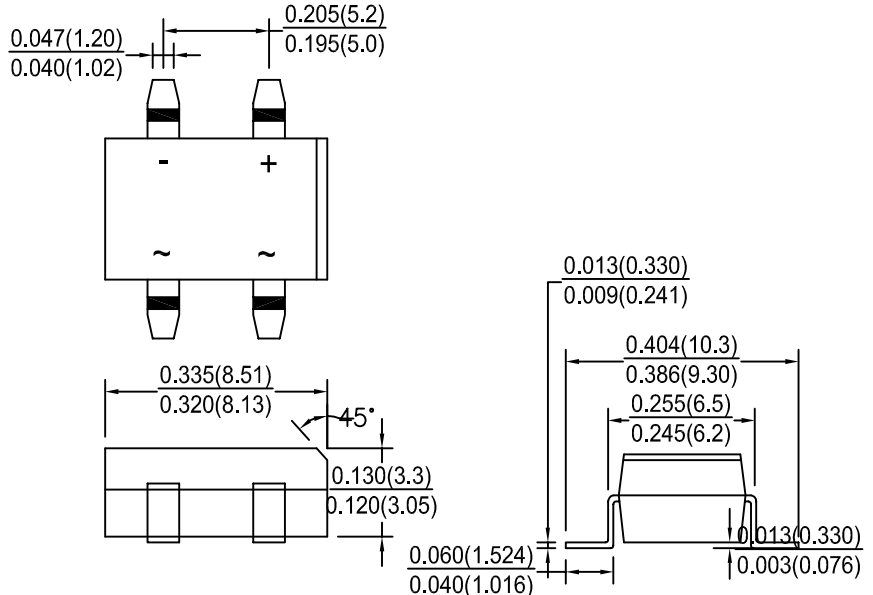
Case : Molded plastic

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

Polarity : Polarity symbols marked on body

Mounting Position : Any

Handling Precaution : None



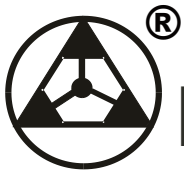
UL NO : E181321

Dimensions in inches and (millimeters)

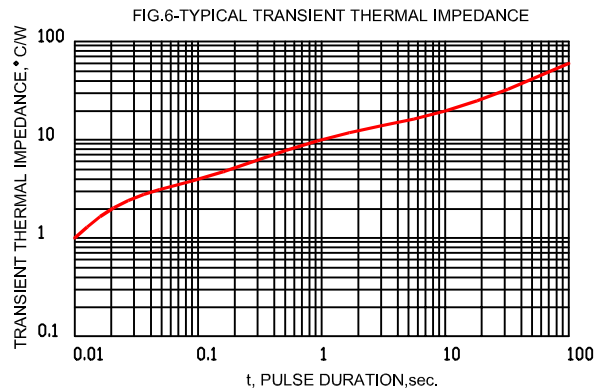
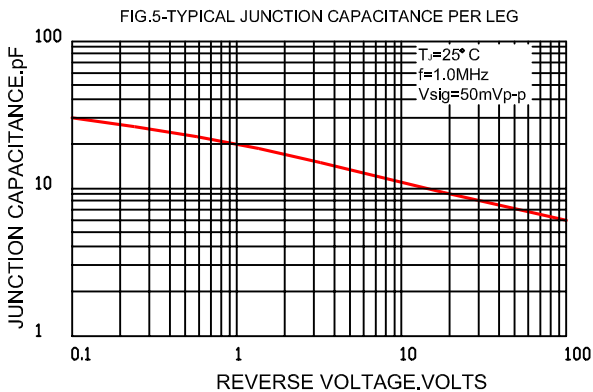
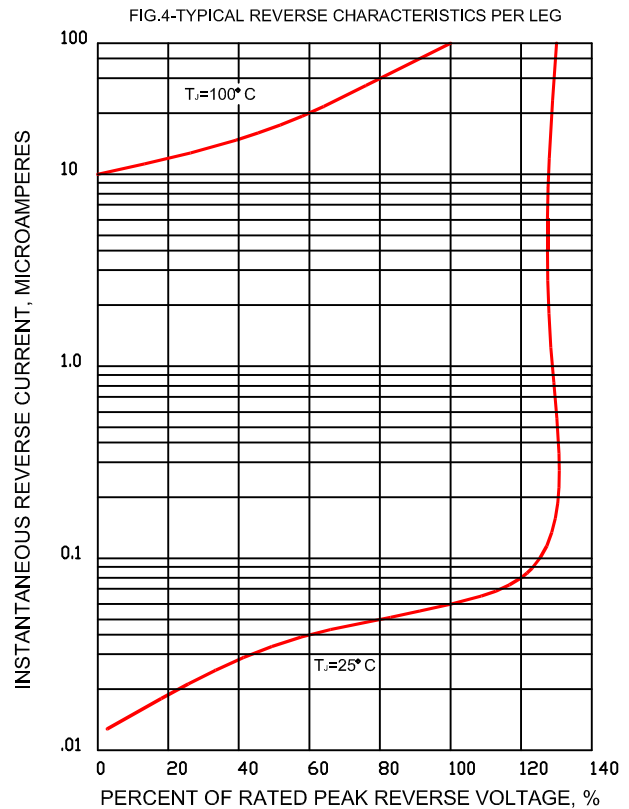
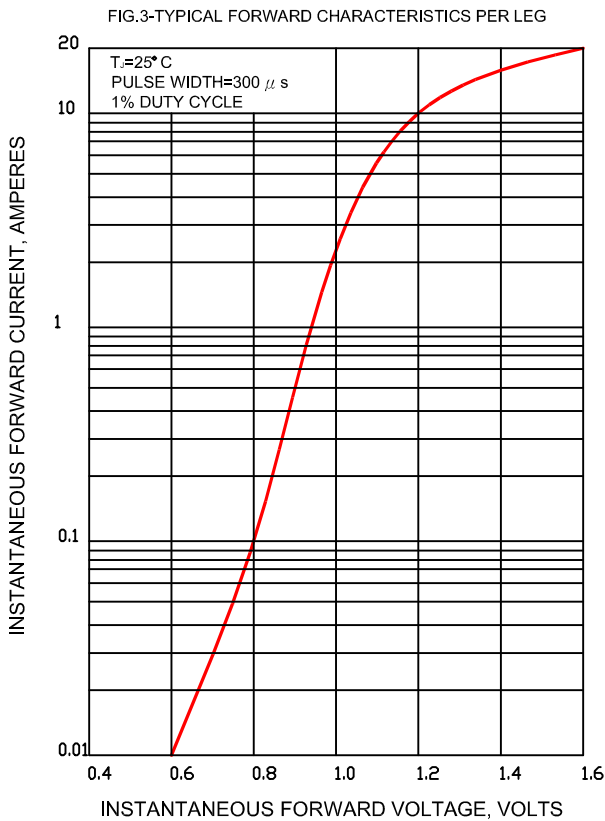
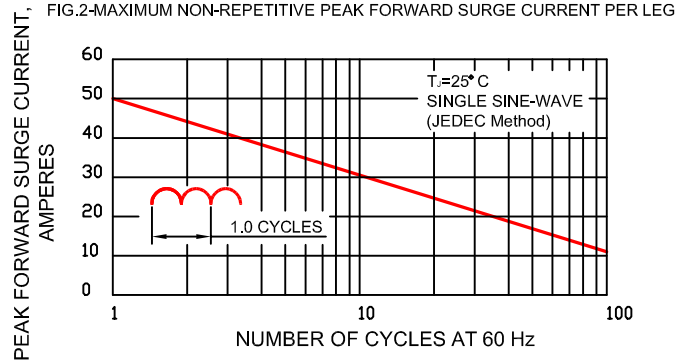
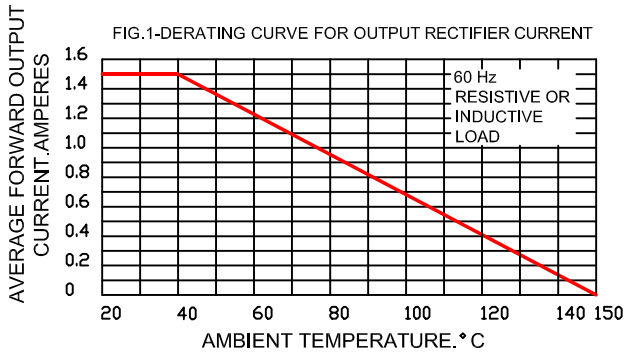
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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
		151GS	152GS	153GS	154GS	155GS	156GS	157GS	
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	800	1000	Volts
Maximum average forward rectified current at Ta=40° 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 ² t	10.0							A ² sec
Maximum instantaneous forward voltage drop at 1.5 A	V _F	1.1							Volts
Maximum DC reverse current Ta=25° C at rated DC blocking voltage Ta=125° C	I _R	5.0 500.0							μ A
Typical junction capacitance	C _j	14.0							pF
Typical thermal resistance	R _{th-JA}	36.0							° C/W
Operating junction and storage temperature range	T _j , T _{stg}	-55 to +155							° C



RATINGS AND CHARACTERISTIC CURVES





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