

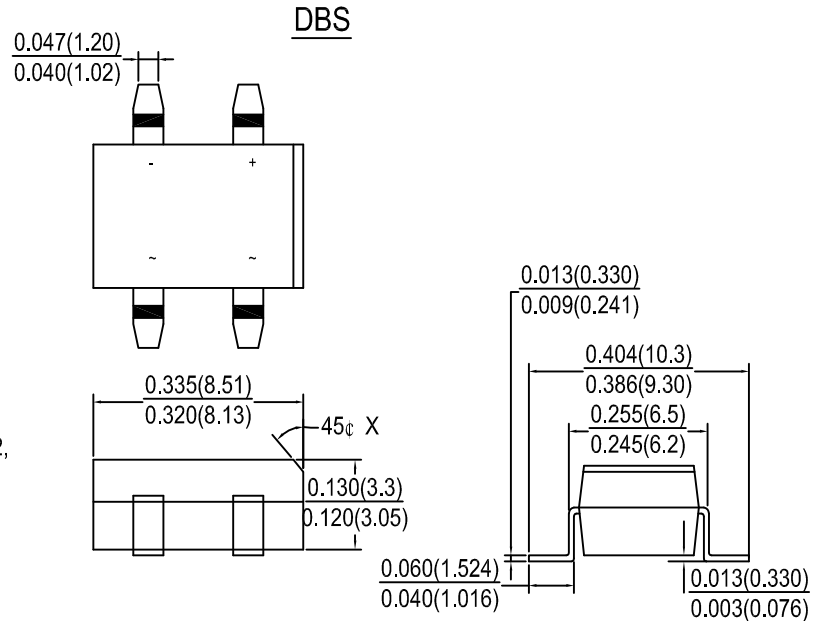
**SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS**

**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

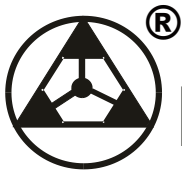


Dimension in inches and (millimeters)

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

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

CHARACTERISTIC	SYMBOL	DB 101 GS	DB 102 GS	DB 103 GS	DB 104 GS	DB 105 GS	DB 106 GS	DB 107 GS	UNITS
Maximum recurrent peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	VDC	50	100	200	400	600	400	1000	Volts
Maximum average forward rectified current at Ta=40° C	I(AV)	1.0							Amps
Peak forward surge current 8.3mm single half sine-wave superimposed on rated load(JEDEC Method) Ta=75° C	IFSM	30							Amps
Maximum instantaneous forward voltage drop at 1.0 A	V <sub>F</sub>	1.1							Volts
Maximum DC reverse current Ta=25° C at rated DC blocking voltage Ta=125° C	IR	5.0 500.0							μ A
Typical junction capacitance	C <sub>J</sub>	25							pF
Typical thermal resistance	R <sub>th-JA</sub>	20.0							° C/W
Operating junction ,and storage temperature range	T <sub>J</sub> ,T <sub>STG</sub>	-55 to +150							° C



## RATING AND CHARACTERISTIC CURVES

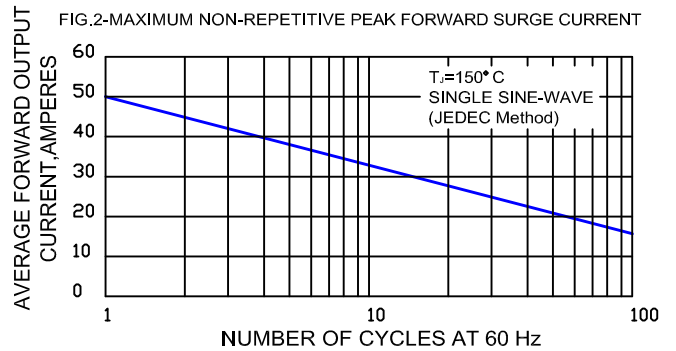
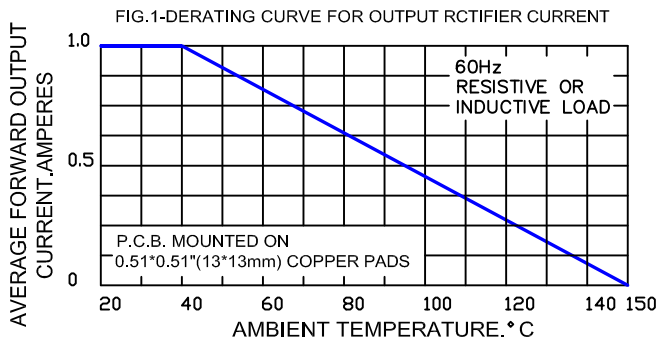


FIG.3-TYPICAL REVERSE LEAKAGE CHARACTERISTICS PER BRIDGE ELEMENT

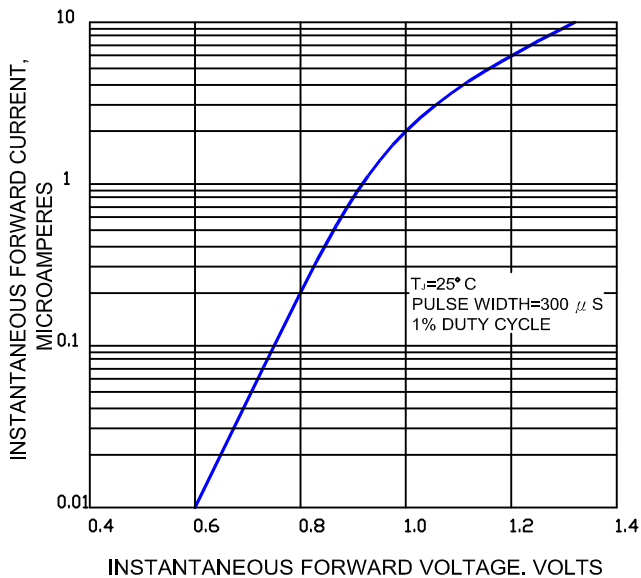


FIG.4-TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

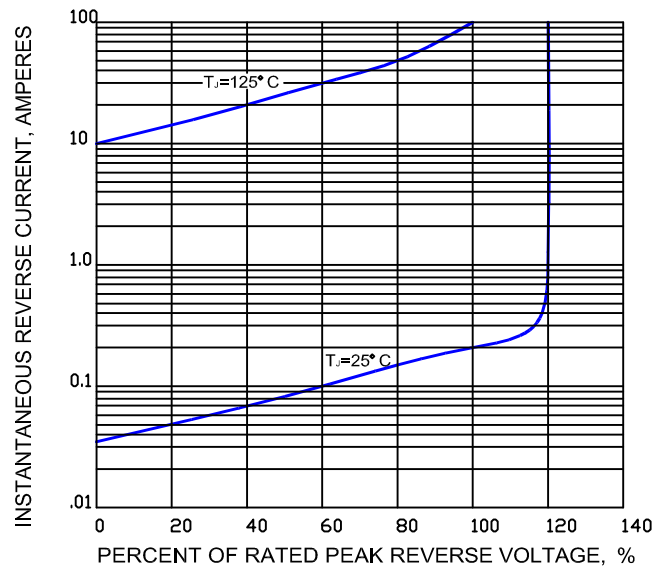
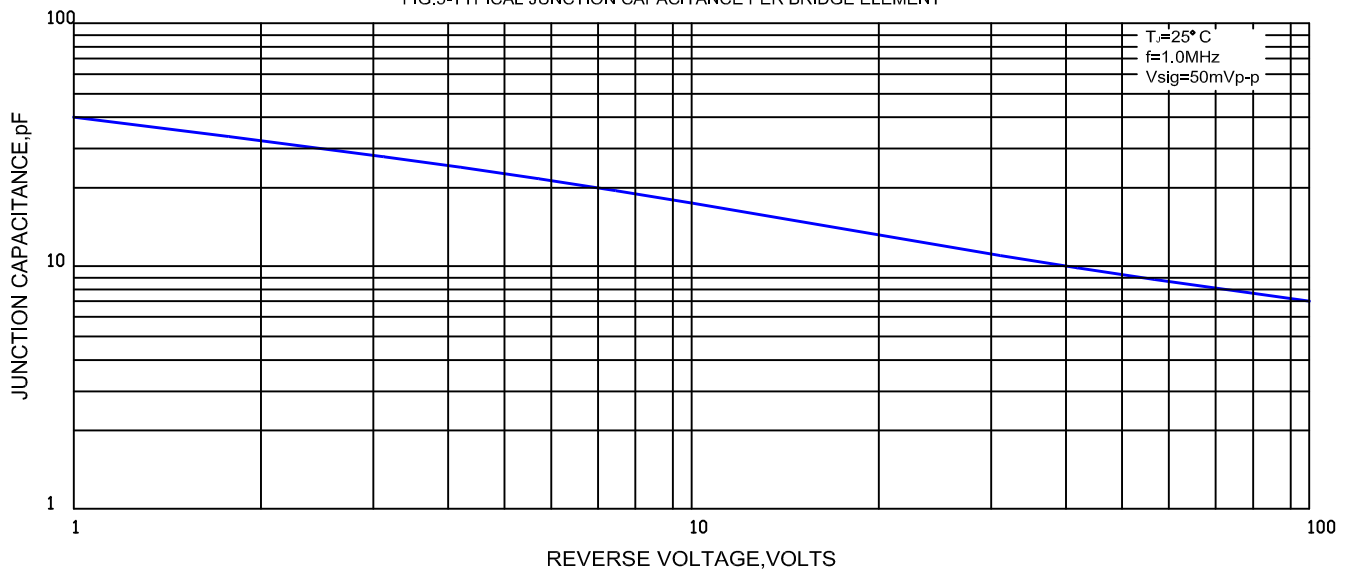


FIG.5-TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT





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