



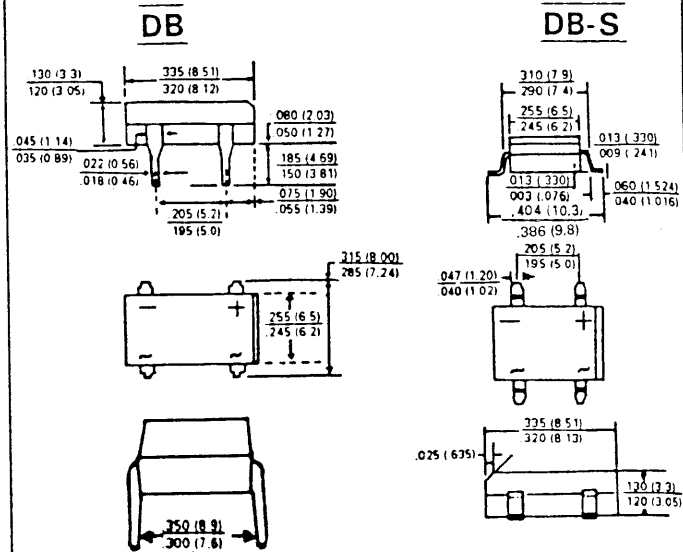
DB101G THRU DB107G

SINGLE PHASE 1.0 AMP GLASS PASSIVATED BRIDGE RECTIFIERS



- * UL Recognized File # E-96005
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded plastic technique
- * High surge current capability
- * Small size, simple installation
- * Leads solderable per MIL-STD-202, method 208

VOLTAGE RANGE
50 to 1000 Volts
CURRENT
1.0 Ampere



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	DB101G	DB102G	DB103G	DB104G	DB105G	DB106G	DB107G	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ T _A =40°C	1.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	30							A
Maximum Forward Voltage Drop per element @ 1.0A	1.1							V
Maximum Reverse Current at Rated @ T _A =25°C D.C. Blocking Voltage per element @ T _A =125°C	10 500							μA μA
Operating Temperature Range T _j	-55 to +125							°C
Storage Temperature Range T _{STG}	-55 to +150							°C

- NOTES: * Special Silicon Bridge Rectifier are also Available.
* Surface Mount Structure is Available with Suffix "-S".

RATINGS AND CHARACTERISTIC CURVES (DB101G THRU DB107G)

FIG 1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

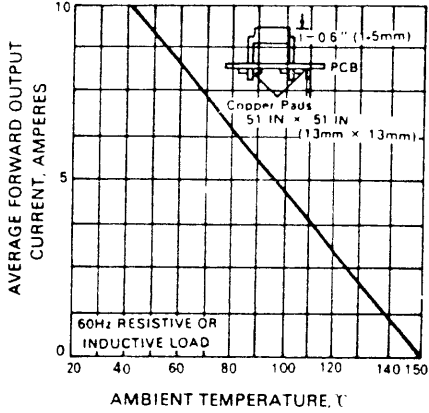


FIG 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

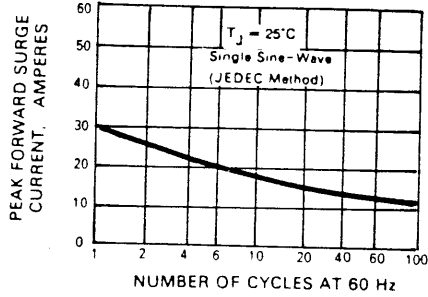


FIG 4 - TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

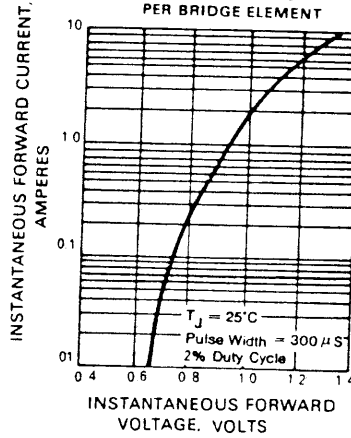


FIG 3 - TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

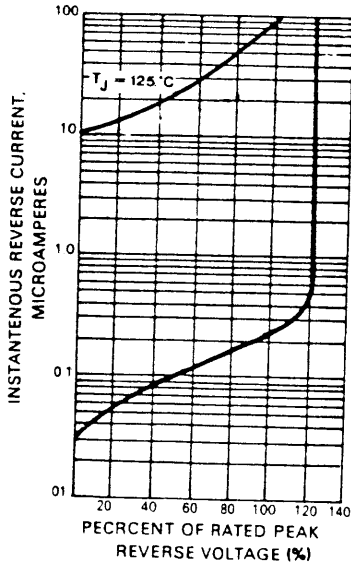


FIG 5 - TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT

