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4A GLASS PASSIVATED BRIDGE RECTIFIER

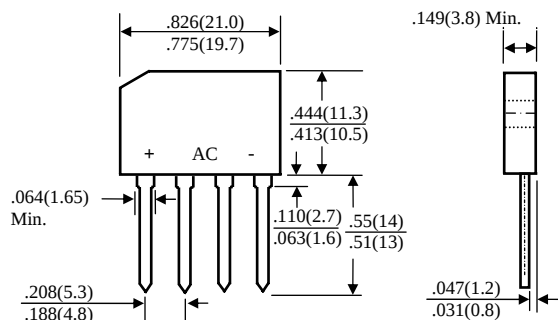
BL4-005G THRU BL4-10G

FEATURES

- GLASS PASSIVATED CHIP JUNCTION
- PLASTIC MATERIAL USED CARRIES UNDERWRITERS
LABORATORY FLAMMABILITY CLASSIFICATION 94V-0
- TYPICAL IR LESS THAN 1 μ A
- IDEAL FOR PRINTED CIRCUIT BOARD
- HIGH TEMPERATURE SOLDERING GUARANTEED: 260°C/10S
0.375" (9.5mm) LEAD LENGTH / 5LBS., (2.3KG) TENSION
- SURGE OVERLOAD RATING: 200A PEAK

MECHANICAL DATA

- CASE: VOID FREE PLASTIC PACKAGE
DIMENSIONS IN INCHES AND (MILLIMETERS)
- TERMINALS AXIAL LEADS, SOLDERABLE PER MIL-STD-202
METHOD 208
- MOUNTING POSITION: ANY
- WEIGHT: 3.6 GRAMS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS 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%

RATINGS	SYMBOL	BL4-005G	BL4-01G	BL4-02G	BL4-04G	BL4-06G	BL4-08G	BL4-10G	UNITS
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	V_{RRM}	50	100	200	400	600	800	1000	V
MAXIMUM RMS VOLTAGE	V_{RMS}	35	70	140	280	420	560	700	V
MAXIMUM DC BLOCKING VOLTAGE	V_{DC}	50	100	200	400	600	800	1000	V
MAXIMUM AVERAGE FORWARD RECTIFIED OUTPUT CURRENT AT 40°C TA	I_O	4.0							A
PEAK FORWARD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	I_{FSM}	150							A
RATING FOR FUSING $t < 8.3ms$	I^2t	60							A ² SEC
STORAGE TEMPERATURE RANGE	T_{STG}	- 55 TO + 150							°C
OPERATING TEMPERATURE RANGE	T_{OP}	- 55 TO + 125							°C

ELECTRICAL CHARACTERISTICS (A_T T_A =25°C UNLESS OTHERWISE NOTED)

CHARACTERISTICS	SYMBOL	BL4-005G	BL4-01G	BL4-02G	BL4-04G	BL4-06G	BL4-08G	BL4-10G	UNITS
MAXIMUM FORWARD VOLTAGE DROP PER BRIDGE ELEMENT AT 2.0A PEAK	V_F	1.0							V
MAXIMUM REVERSE CURRENT AT RATED DC BLOCKING VOLTAGE PER ELEMENT	I_R	5							μ A

RATINGS AND CHARACTERISTIC CURVES BL4-005 THRU BL4-10

FIG. 1 - DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

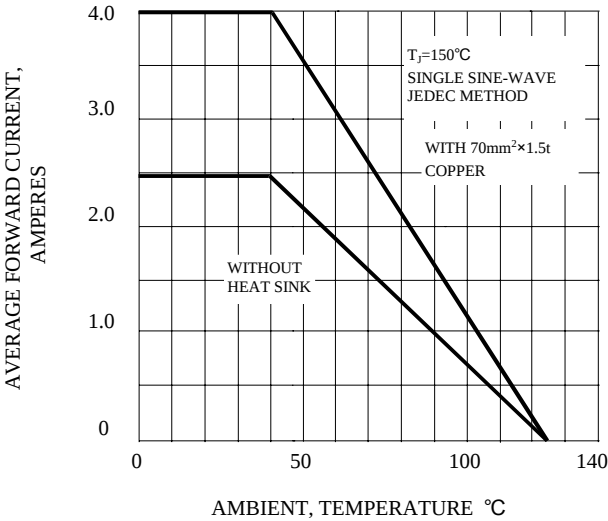


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD
CHARACTERISTICS PER ELEMENT

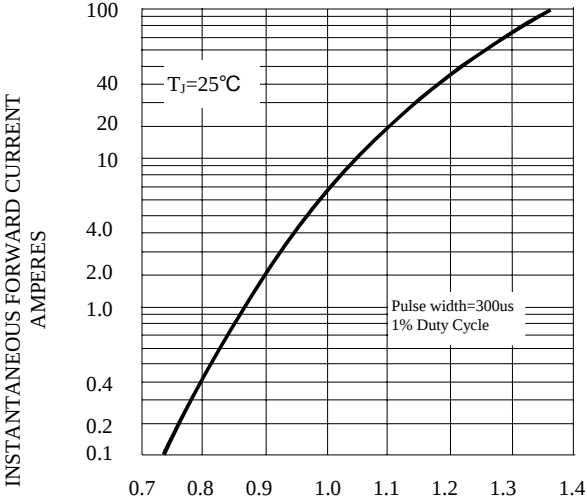


FIG. 3 - MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT

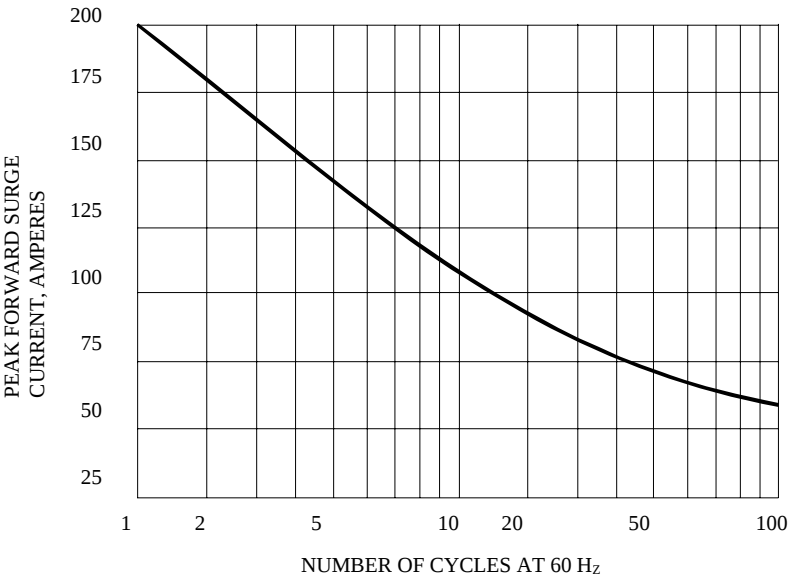


FIG. 4 - TYPICAL REVERSE
CHARACTERISTICS

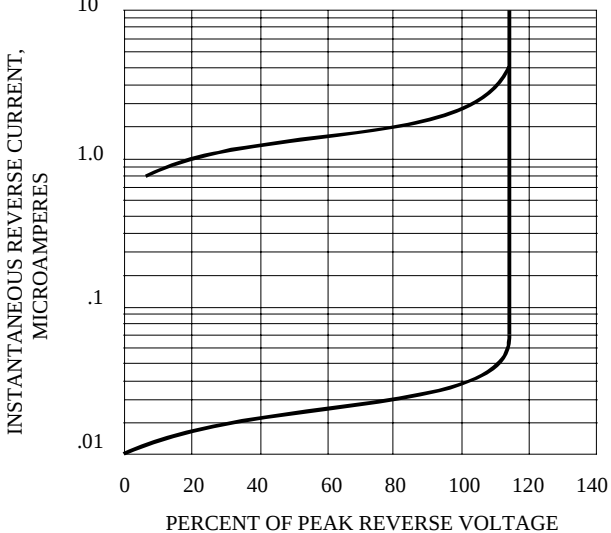


FIG. 5 - TYPICAL JUNCTION CAPACITANCE
PER ELEMENT

