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4A GLASS PASSIVATED BRIDGE RECTIFIER

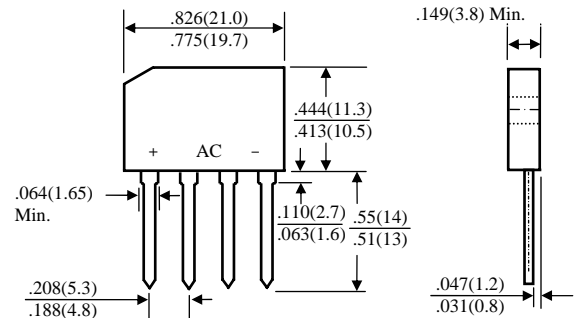
BL4-005G-LFR THRU BL4-10G-LFR

FEATURES

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

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
		-LFR	-LFR	-LFR	-LFR	-LFR	-LFR	-LFR	
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 $t < 8.3\text{ms}$	I^2t	60							A^2SEC
STORAGE TEMPERATURE RANGE	T_{STG}	- 55 TO + 150							$^\circ\text{C}$
OPERATING TEMPERATURE RANGE	T_{OP}	- 55 TO + 125							$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($A_T T_A = 25^\circ\text{C}$ UNLESS OTHERWISE NOTED)

CHARACTERISTICS	SYMBOL	BL4-005G	BL4-01G	BL4-02G	BL4-04G	BL4-06G	BL4-08G	BL4-10G	UNITS
		-LFR	-LFR	-LFR	-LFR	-LFR	-LFR	-LFR	
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							μA

RATINGS AND CHARACTERISTIC CURVES BL4-005G-LFR THRU BL4-10G-LFR

FIG. 1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

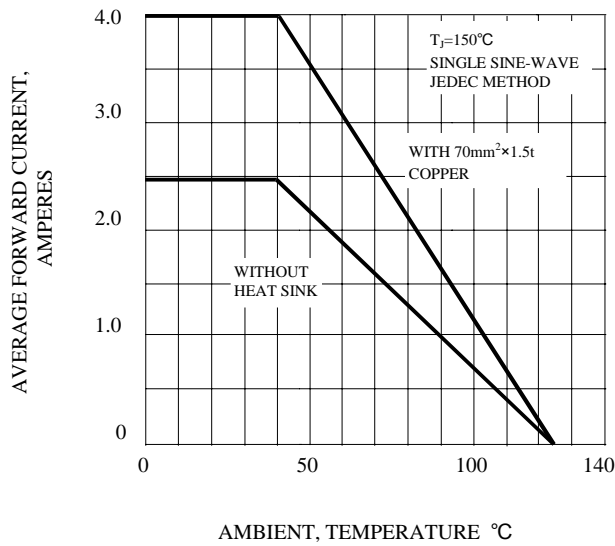


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER ELEMENT

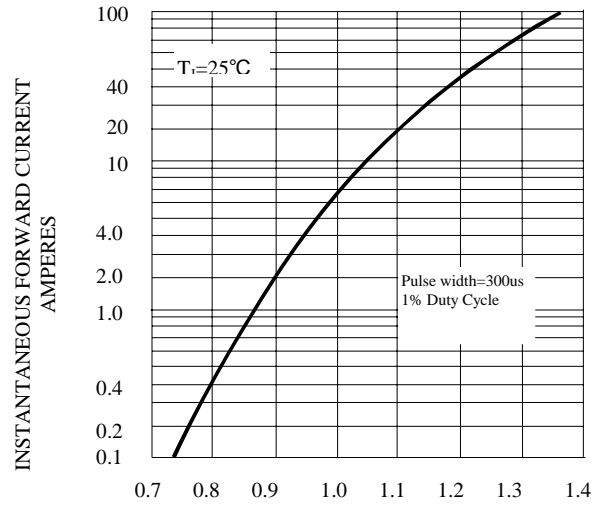


FIG. 3 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

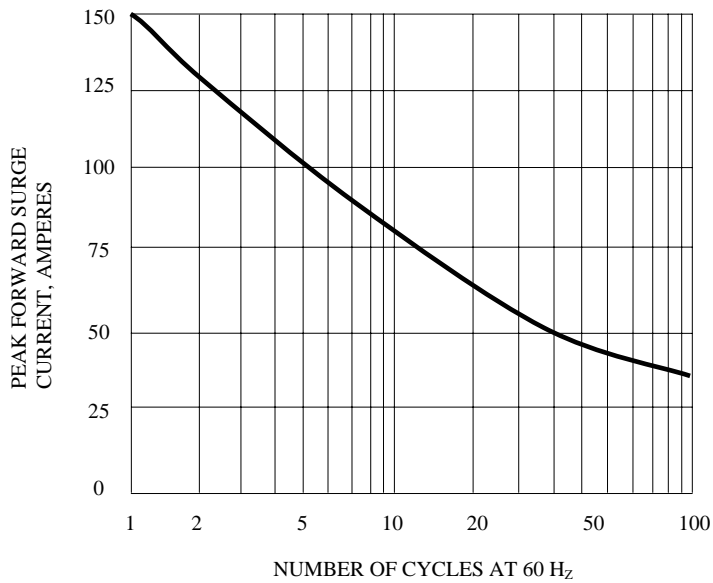


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

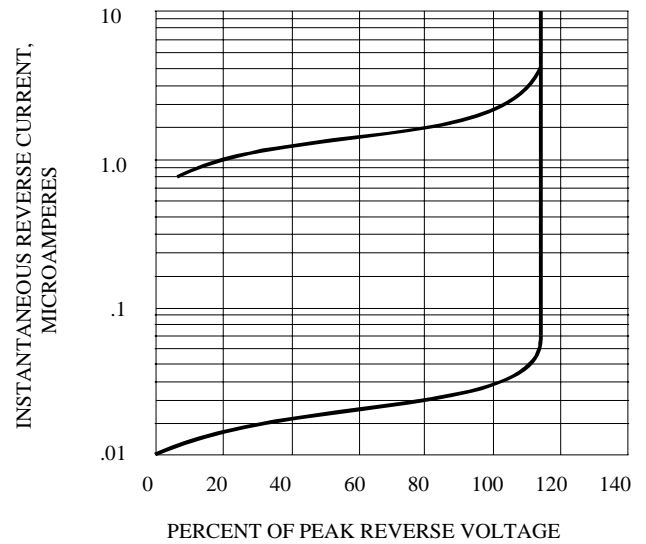


FIG. 5 - TYPICAL JUNCTION CAPACITANCE PER ELEMENT

