



**BL4-005G
THRU
BL4-10G**

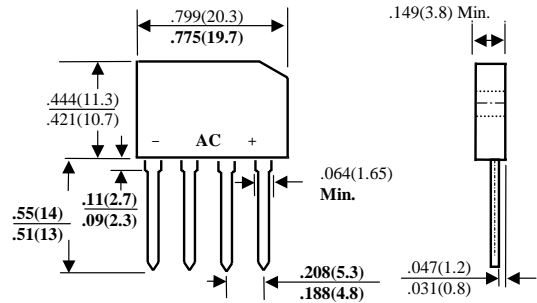
4A GLASS PASSIVATED BRIDGE RECTIFIER

FEATURES

- GLASS PASSIVATED CHIP JUNCTION
- PLASTIC MATEIAL 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 $^{\circ}$ C/10S
.375" (9.5mm) LEAD LENGTH / 5LBS. ,(2.3KG)TENSION
- SURGE OVERLOAD RATING : 200A PEAK

MECHANICAL DATA

- CASE : VOID FREE PLASTIC PACKAGE
- TERMINALS : AXIAL LEADS, SOLDERABLE PER MIL-STD-202
METHOD 208
- MOUNTING POSITION : ANY
- WEIGHT : 5.6 GRAMS



DIMENSIONS IN INCHES AND (MILLIMETERS)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS
RATINGS AT 25 $^{\circ}$ 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 $^{\circ}$ C T _A	I _O	4.0							A
PEAK FORWARD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	I _{FSM}	150							A
STORAGE TEMPERATURE RANGE	T _{STG}	- 55 TO + 150							$^{\circ}$ C
OPERATING TEMPERATURE RANGE	T _{OP}	- 55 TO + 125							$^{\circ}$ C

ELECTRICAL CHARACTERISTICS (A_T T_A =25 $^{\circ}$ 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 BL4-005G THRU BL4-10G

FIG. 1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

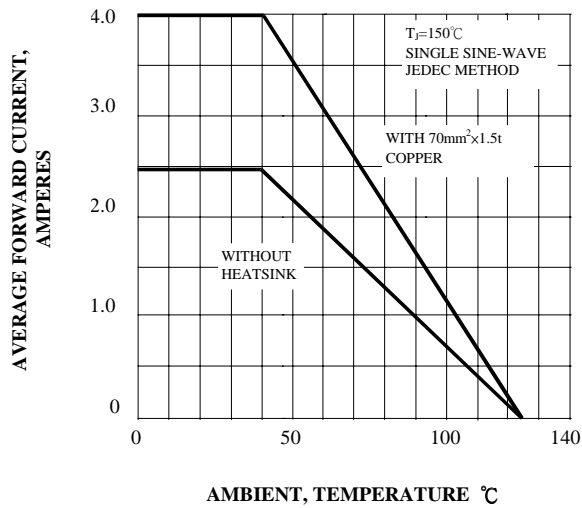


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER ELEMENT

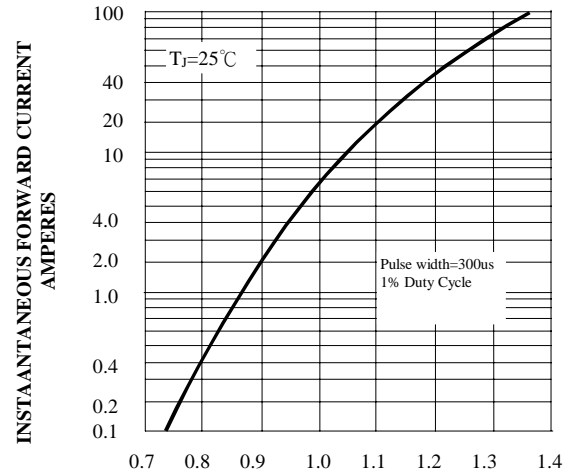


FIG. 3 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

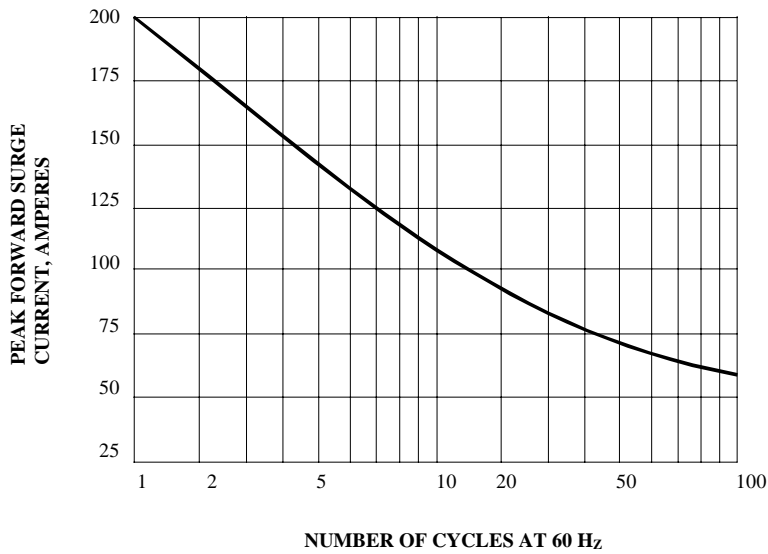


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

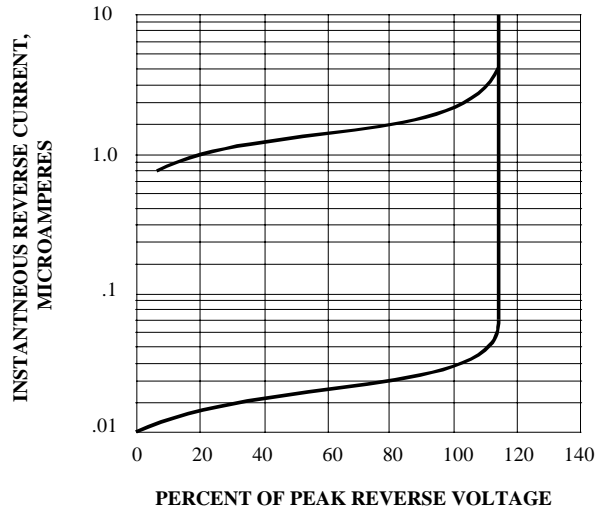


FIG. 5 - TYPICAL JUNCTION CAPACITANCE PER ELEMENT

