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1A BRIDGE RECTIFIERS

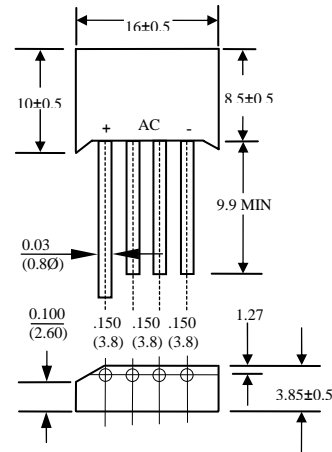
BL1-005 THRU BL1-10

FEATURES

- 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/10 S
(9.5mm) LEAD LENGTH / 5LBS, (2.3KG) TENSION
- SURGE OVERLOAD RATING: 30A PEAK

MECHANICAL DATA

- CASE: VOID FREE PLASTIC PACKAGE, DIMENSIONS
IN MILLIMETERS (1mm = 0.0394")
- 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	BL1-005	BL1-01	BL1-02	BL1-04	BL1-06	BL1-08	BL1-10	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 CURRENT .375" (9.5mm) LEAD LENGTH AT $T_A = 55^\circ C$	I_O	1.0							A
PEAK FORWARD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	I_{FSM}	30							A
STORAGE TEMPERATURE RANGE	T_{STG}	- 55 TO + 150							°C
OPERATING TEMPERATURE RANGE	T_{OP}	- 55 TO + 125							°C

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

CHARACTERISTICS	SYMBOL	BL1-005	BL1-01	BL1-02	BL1-04	BL1-06	BL1-08	BL1-10	UNITS
MAXIMUM FORWARD VOLTAGE AT I_O PER LEG	V_F	1.0							V
MAXIMUM REVERSE CURRENT AT 25°C	I_R	10							μA

RATINGS AND CHARACTERISTIC CURVES BL1-005 THRU BL1-10

FIG. 1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

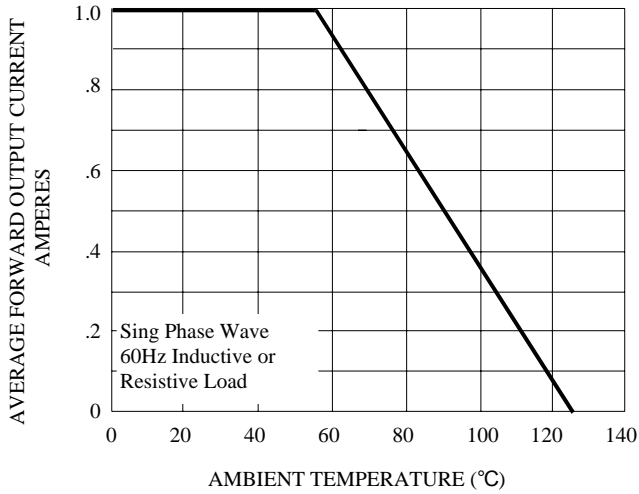


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

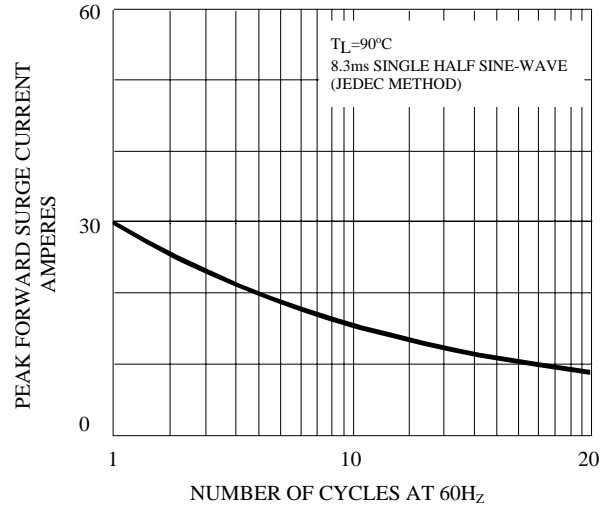


FIG. 3 - TYPICAL FORWARD CHARACTERISTICS

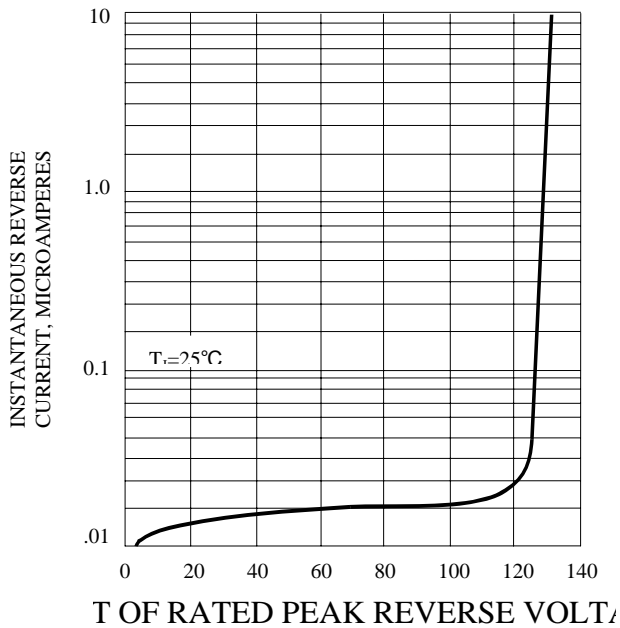


FIG. 4 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

