



**BL1-005
THRU
BL1-10**

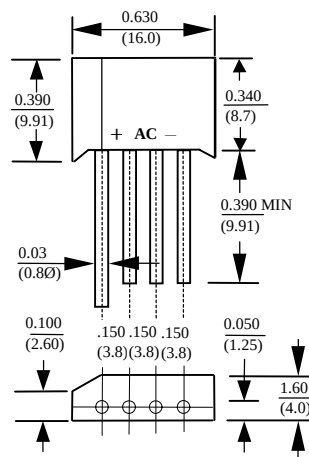
1A BRIDGE RECTIFIERS

FEATURES

- 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°C/105
(9.5mm) LEAD LENGTH / 5LBS., (2.3KG)TENSION
- SURGE OVERLOAD RATING : 30A PEAK

MECHANICAL DATA

- CASE : VOID FREE PLASTIC PACKAGE
- TERMINALS : AXIAL LEADS,SOLDERABLE PER MIL-STD-202
METHOD 208
- MOUNTING POSITION : ANY
- WEIGHT : 3.6 GRAMS



DIMENSIONS IN INCHES AND (MILLIMETERS)

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
TYPICAL JUNCTION CAPACITANCE	C_J								
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 DC	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

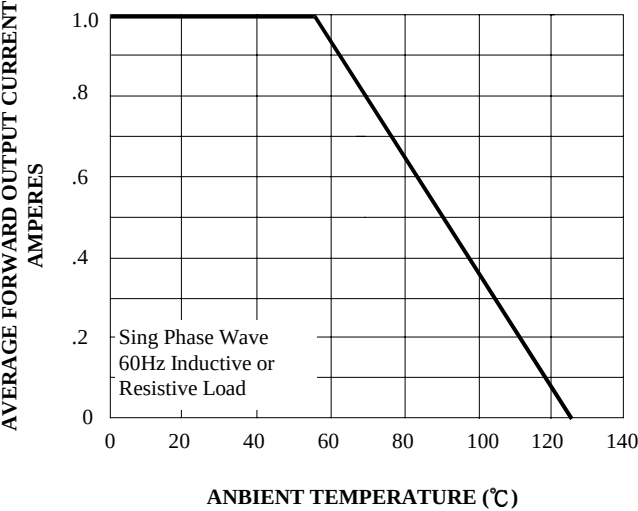


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT

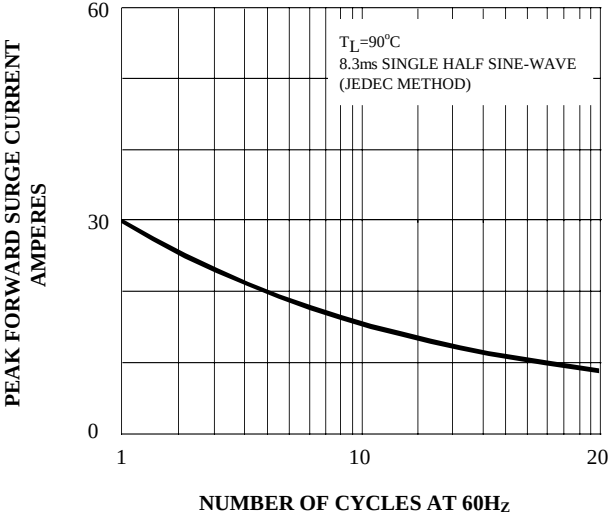


FIG. 3 - TYPICAL FORWARD
CHARACTERISTICS

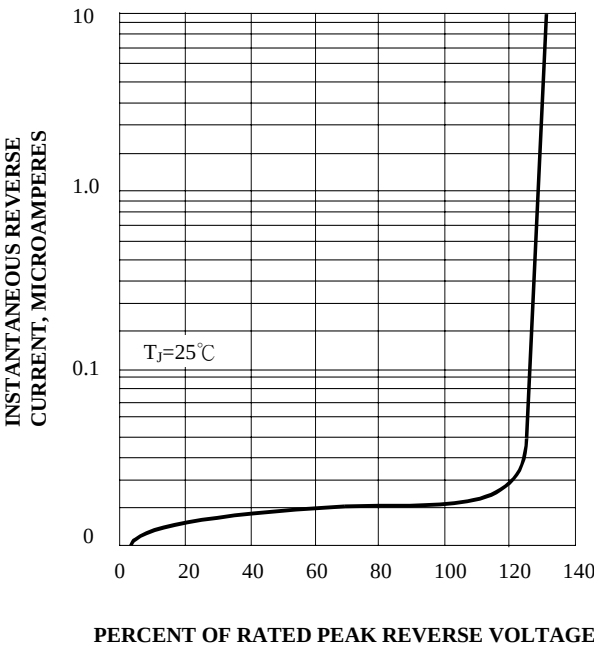


FIG. 4 - DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

