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4A BRIDGE RECTIFIER

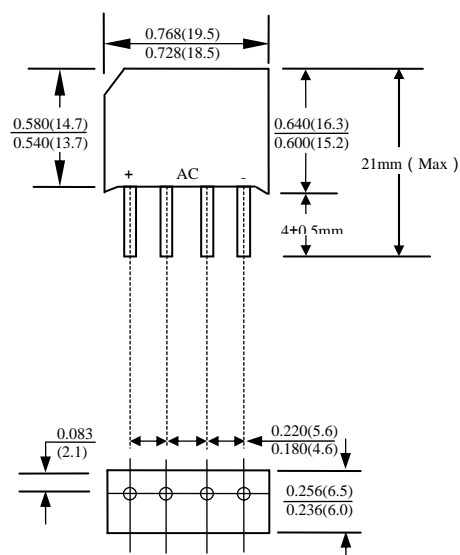
BL4-06-BF52-LFR

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/10S
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: 5.6 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	BL4-06-BF52-LFR	UNITS
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	V_{RRM}	600	V
MAXIMUM RMS VOLTAGE	V_{RMS}	420	V
MAXIMUM DC BLOCKING VOLTAGE	V_{DC}	600	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}	200	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°C UNLESS OTHERWISE NOTED)

CHARACTERISTICS	SYMBOL	BL4-06-BF52-LFR	UNITS
MAXIMUM FORWARD VOLTAGE DROP PER BRIDGE ELEMENT AT 3.0A PEAK	V_F	1.1	V
MAXIMUM REVERSE CURRENT AT RATED DC BLOCKING VOLTAGE PER ELEMENT	I_R	10	μ A

RATINGS AND CHARACTERISTIC CURVES BL4-06-BF52-LFR

FIG. 1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

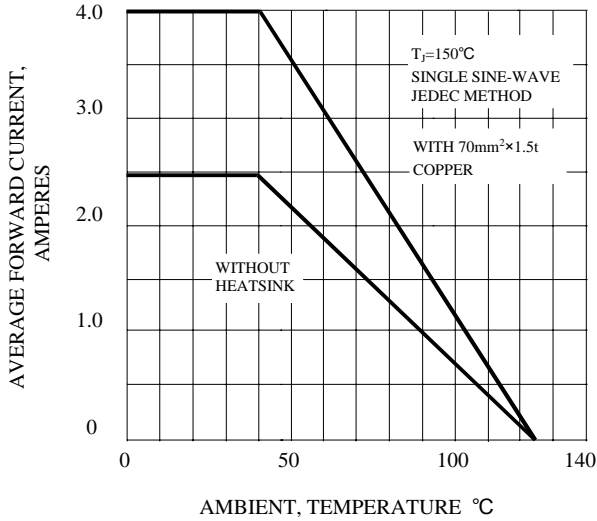


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER ELEMENT

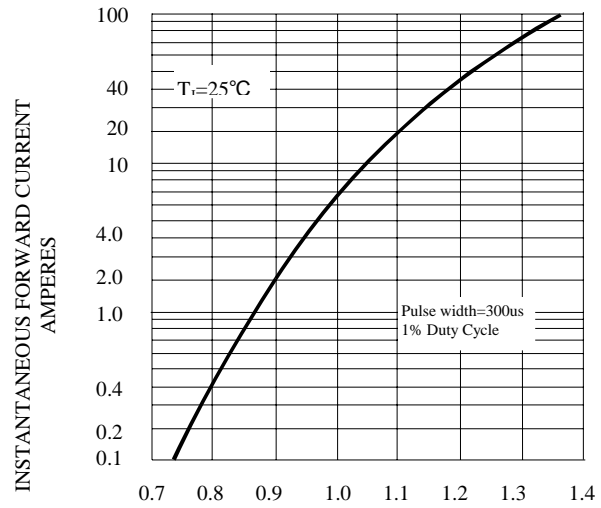


FIG. 3 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

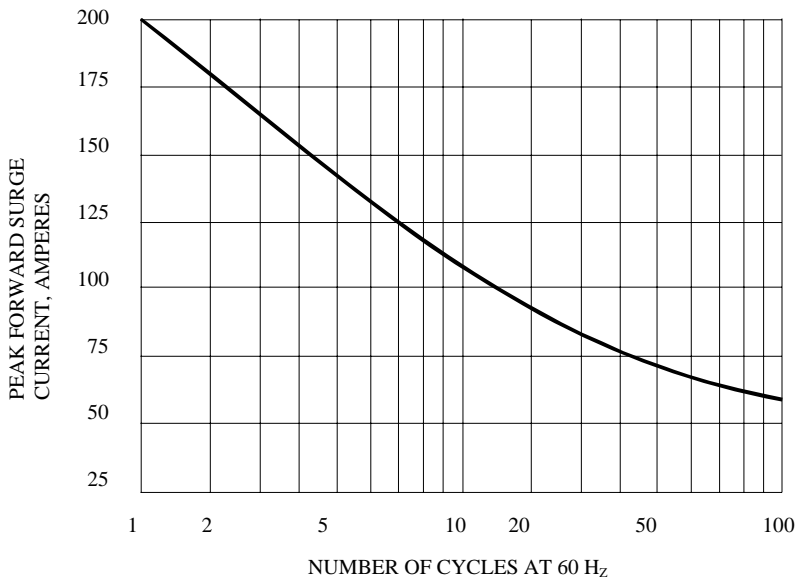


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

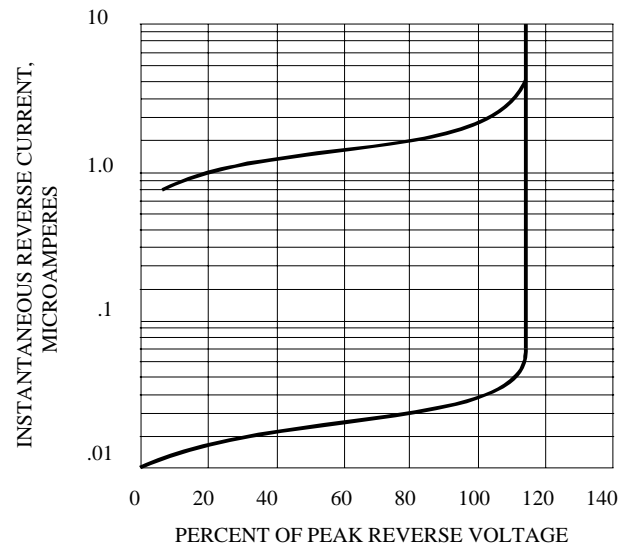


FIG. 5 - TYPICAL JUNCTION CAPACITANCE PER ELEMENT

