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8A CENTER TAP RECTIFIERS

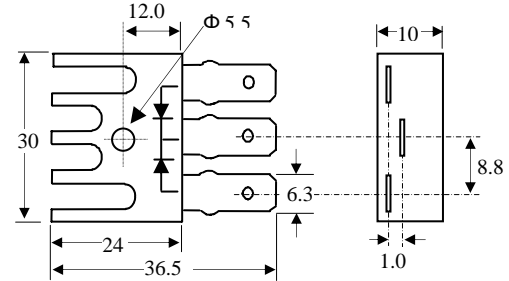
BCT8-005-LFR THRU BCT8-10-LFR

FEATURES

- PLASTIC MATERIAL HAS UNDERWRITERS LABORATORY FLAMMABILITY CLASSIFICATION 94V-0
- HIGH TEMPERATURE SOLDERING GUARANTEED: 260°C /10 S 0.375" (9.5mm) LEAD LENGTH AT 5 LBS (2.3KG) TENSION
- LEAD FREE

MECHANICAL DATA

- CASE: ALUMINUM HEAT SINK CASE, DIMENSIONS IN INCHES MILLIMETERS
- TERMINALS: SOLDERABLE PER MIL-STD-202, METHOD 208
- MOUNTING POSITION: ANY
- WEIGHT: 15.0 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 | BCT8 -005-LFR | BCT 8 -01-LFR | BCT 8 -02-LFR | BCT 8 -04-LFR | BCT 8 -06-LFR | BCT 8 -08-LFR | BCT 8 -10-LFR | 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 (SEE FIG.1) | I _O | 8.0 | | | | | | | A |
| PEAK FORWARD SURGE CURRENT SINGLE SINE-WAVE SUPERIMPOSED ON RATED LOAD | I _{FSM} | 300 | | | | | | | A |
| STORAGE TEMPERATURE RANGE | T _{STG} | - 55 TO + 150 | | | | | | | °C |
| OPERATING TEMPERATURE RANGE | T _{OP} | - 55 TO + 150 | | | | | | | °C |

ELECTRICAL CHARACTERISTICS (A_T T_A =25°C UNLESS OTHERWISE NOTED)

| CHARACTERISTICS | SYMBOL | BCT8 -005-LFR | BCT 8 -01-LFR | BCT 8 -02-LFR | BCT 8 -04-LFR | BCT 8 -06-LFR | BCT 8 -08-LFR | BCT 8 -10-LFR | UNITS |
|---|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------|
| MAXIMUM INSTANTANEOUS FORWARD VOLTAGE DROP PER ELEMENT AT 10Amp | V _F | 1.0 | | | | | | | V |
| MAXIMUM REVERSE LEAKAGE AT RATED DC BLOCKING VOLTAGE PER ELEMENT T _A =25°C | I _R | 10 | | | | | | | μA |

RATINGS AND CHARACTERISTIC CURVES BCT8-005-LFR THRU BCT8-10-LFR

FIG. 1 - DERATING CURVE OUTPUT RECTIFIED CURRENT

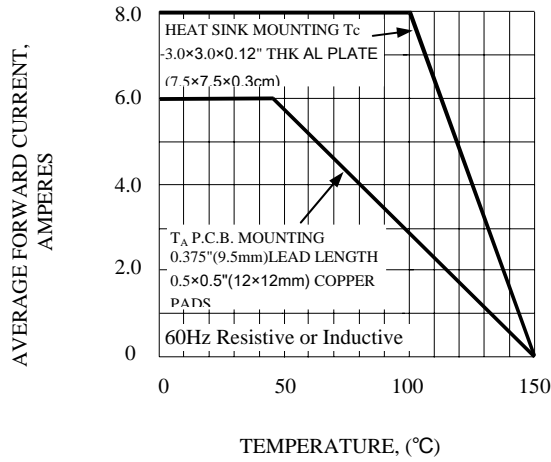
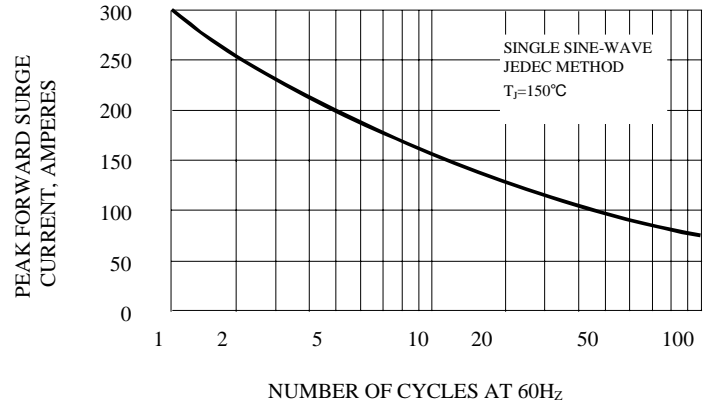


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



TEMPERATURE, (°C)

FIG. 3 - TYPICAL JUNCTION CAPACITANCE PER ELEMENT

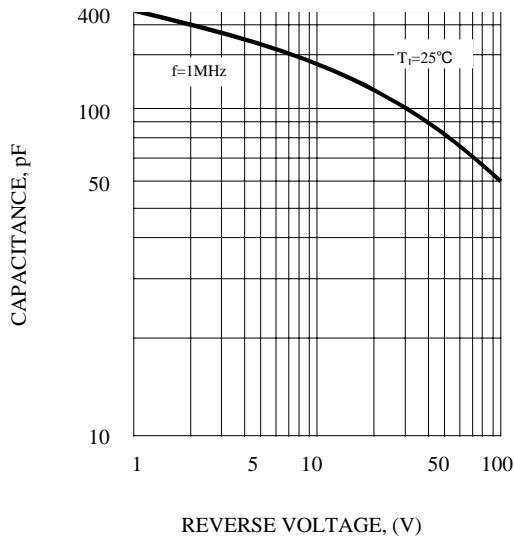


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

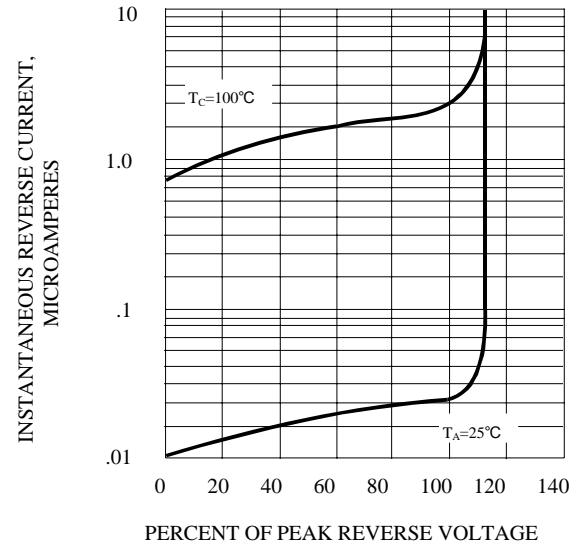


FIG. 5 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER ELEMENT

