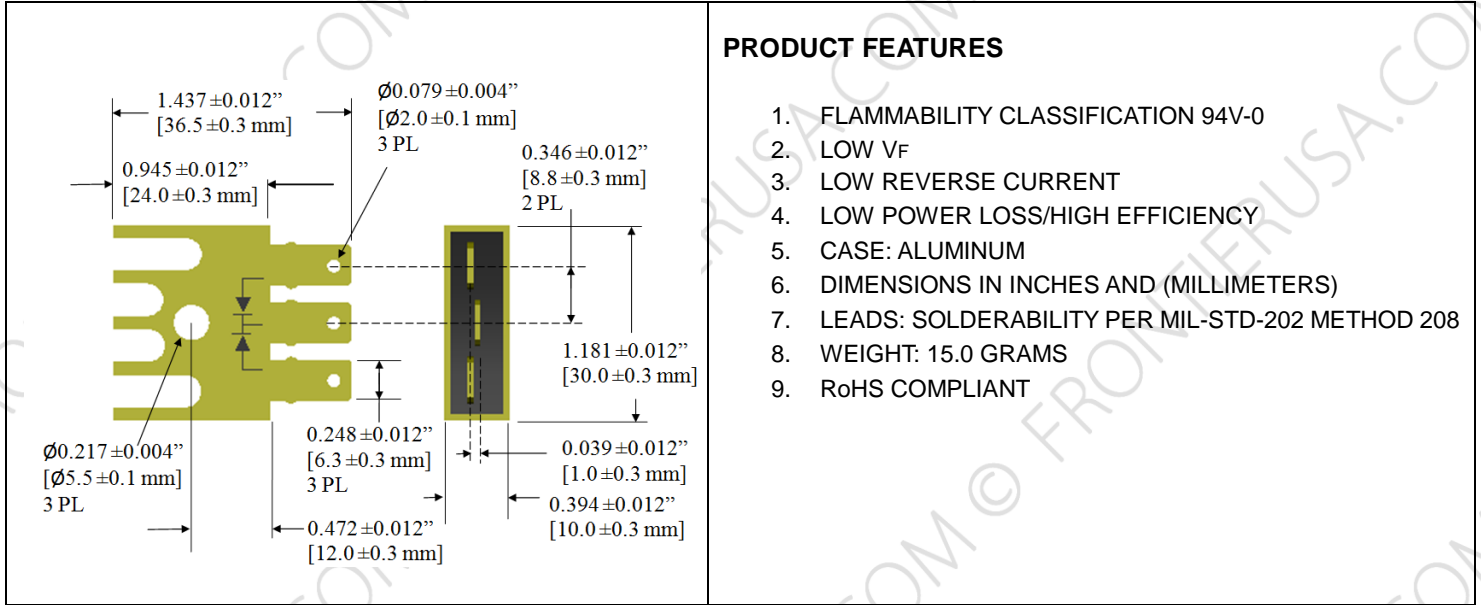


8A CENTER TAP RECTIFIER



ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$ UNLESS OTHERWISE NOTED) AND ELECTRICAL CHARACTERISTICS

RATING	SYMBOL		UNITS
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT, SEE FIG.1	I_o	8	A
PEAK FORWARD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	I_{FSM}	300	A
STORAGE TEMPERATURE RANGE	T_{STG}	- 55 TO +150	$^\circ\text{C}$
OPERATING TEMPERATURE RANGE	T_{OP}	- 55 TO +150	$^\circ\text{C}$
MAXIMUM REVERSE CURRENT AT 25°C PER LEG (NOTE 1)	I_R	10	μA
MAXIMUM INSTANTANEOUS FORWARD VOLTAGE PER LEG @10A	V_f	1.0	V

PART NUMBER	MAX RECURRENT PK REVERSE VOLTAGE V_{RRM} (V)	MAX V_{RMS} (V)	MAX DC BLOCKING VOLTAGE V_{DC} (V)
BCT8-005	50	35	50
BCT8-01	100	70	100
BCT8-02	200	140	200
BCT8-04	400	280	400
BCT8-06	600	420	600
BCT8-08	800	560	800
BCT8-10	1000	700	1000

NOTE : 1. CURRENT RATING IS BASED ON SINGLE PHASE, 1/2 WAVE, 60HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%.

RATINGS AND CHARACTERISTIC CURVES

FIG. 1 - DERATING CURVE OUTPUT RECTIFIED CURRENT

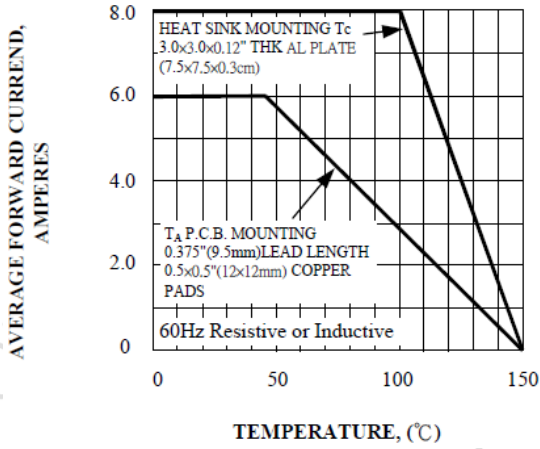


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

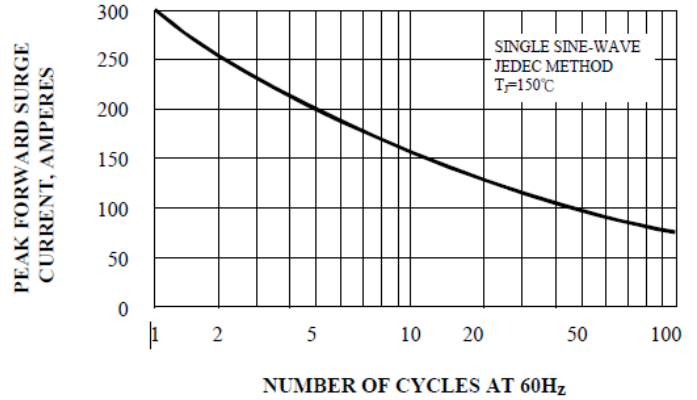


FIG. 3 - TYPICAL JUNCTION CAPACITANCE PER ELEMENT

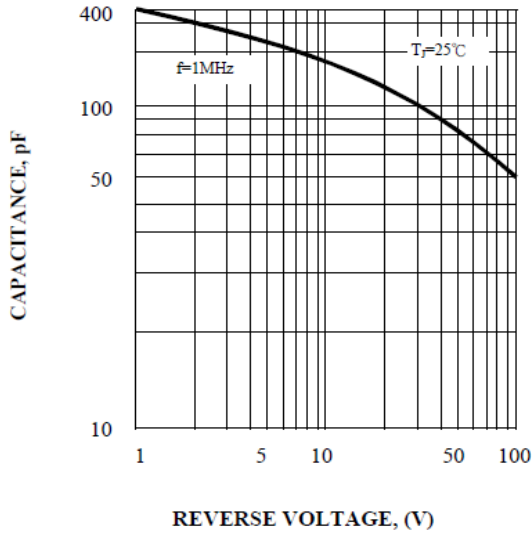


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

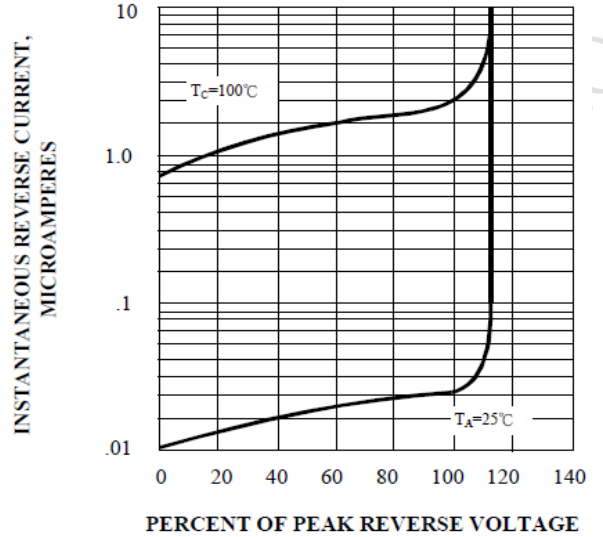


FIG. 5 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER ELEMENT

