



PART NUMBER	GT-BC90L	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
02.18.99	E.C.N. #10BRDR. & REDRAWN.		A
01.06.04	E.C.N. #11075.		B
12.11.06	E.C.N. #11148.		C
12.21.11	E.C.N. #10BRDR.		D

ELECTRICAL SPECIFICATIONS		
CONDITION	SYMBOL	RATING
DC FIRING VOLTAGE	(2KV/S)	90±20% VDC
IMPULSE BREAKDOWN VOLTAGE	(100V/μS)	600V MAX
AC DISCHARGE CURRENT	(10/1000μS X 200 TIMES)	100A
INSULATION RESISTANCE (MIN.)	(50 VDC)	10 ¹ Ω
INTER ELECTRODE CAPACITANCE	(1.0KHz)	5.0 pF MAX

ENVIRONMENTAL SPECIFICATIONS PER MIL-STD 202			
TEST	METHOD	CONDITION	RATING
VIBRATION TESTING	204B	C	C10-55Hz, .06DA
THERMAL SHOCK	107	B	-65 TO +125°C
HUMIDITY	103B	B	95% Re. HUMIDITY
TEMP CYCLING	102A	C	-65 TO +125°C
SOLDERABILITY	208	B	
OPERATION TEMP	-	-	-40 TO +100°C

RESPONSE TIME	
SURGE TYPE	(Rt MAX.)
1Kv/mS	1 x 10 ⁻⁵ sec.
1Kv/μS	1 x 10 ⁻⁸ sec.
5Kv/μS	1 x 10 ⁻⁹ sec.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= ^{+DECIMAL PRECISION}_{-0.00} MAX.= ^{+0.00}_{-DECIMAL PRECISION} UNCONTROLLED DOCUMENT

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