

UNCONTROLLED DOCUMENT

PART NUMBER		REV.
GT-BG800L		
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE



ELECTRICAL SPECIFICATIONS

CONDITION	UNITS	RATING
D.C. FIRING VOLTAGE:	(dv/dt 100V/S)	800±15 VDC
IMPULSE MAX. FIRING VOLTAGE:	(dv/dt 5KV/μS)	2500 VDC
IMPULSE CURRENT (KA):	(8/20μS)	5KA MAX.
D.C. HOLDOVER VOLTAGE:	(150mS MAX.)	150V
A.C. DISCHARGE CURRENT:	(1S X 10 TIMES)	5A
IMPULSE CURRENT SURGE LIFE:	(10/1000μS 500A)	-
A.C. FOLLOW-ON CURRENT:	(1/2 CYCLE, 60Hz)	25A
INSULATION RESISTANCE(MIN.):	(50 OR 100VDC)	10 ⁴ Ω
INTER-ELECTRODE CAPACITANCE:	(1.0 KHz)	2.0 PF MAX.

ENVIRONMENTAL SPECIFICATIONS PER MIL-STD 202

TEST	METHODE	CONDITION	RATING
VIBRATION TESTING:	204B	C	10-55Hz, .06DA
SHOCK	213A	C	100 g
HUMIDITY:	103B	B	95% Re. HUMIDITY
TEMPERATURE CYCLING:	102A	C	-65 TO +125 °C
BAROMETRIC PRESSURE:	105C	B	50,000 ft.
THERMAL SHOCK:	107	B	-65 TO +125 °C
SOLDERABILITY:	208	B	

RESPONSE TIME

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

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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

REV.	PART NUMBER GT-BG800L	<p>CONFIDENTIAL INFORMATION</p> <p>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.</p> <p>RELIABILITY NOTE</p> <p>OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.</p>	<p>LUMEX INCORPORATED</p> <p>290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM</p>
AXIAL LEADED, SURGE ARRESTOR, 800 VDC.		<p>DRAWN BY: MF/DU</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p> <p>DATE: 6-18-99</p> <p>PAGE: 1 OF 1</p> <p>SCALE: N/A</p>	