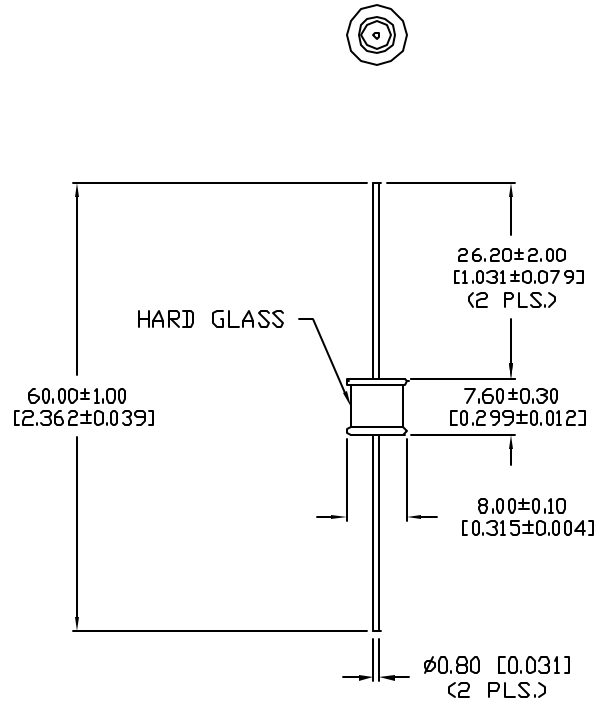


UNCONTROLLED DOCUMENT

PART NUMBER GT-BG800L		REV. A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	12.11.06



ELECTRICAL SPECIFICATIONS		
CONDITION	UNITS	RATING
D.C. FIRING VOLTAGE:	{dv/dt 100V/S}	800 \pm 15 VDC
IMPULSE MAX. FIRING VOLTAGE:	{dv/dt 5KV/ μ S}	2500 VDC
IMPULSE CURRENT (KA):	{8/20 μ S}	5KA MAX.
D.C. HOLDOVER VOLTAGE:	{150ms MAX.}	150V
A.C. DISCHARGE CURRENT:	{1S X 10 TIMES}	5A
IMPULSE CURRENT SURGE LIFE:	{10/1000 μ S 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	METHOD	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 ⁻⁵ sec.
1Kv/ μ S	NOTES: 10 ⁻⁸ sec.
5Kv/ μ S	1 x 10 ⁻⁹ sec.

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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

REV. A	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>290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw</p>
AXIAL LEADED, SURGE ARRESTOR, 800 VDC.		<p>DRAWN BY: jc</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p>	<p>DATE: 12.11.06</p> <p>PAGE: 1 OF 1</p> <p>SCALE: N/A</p>