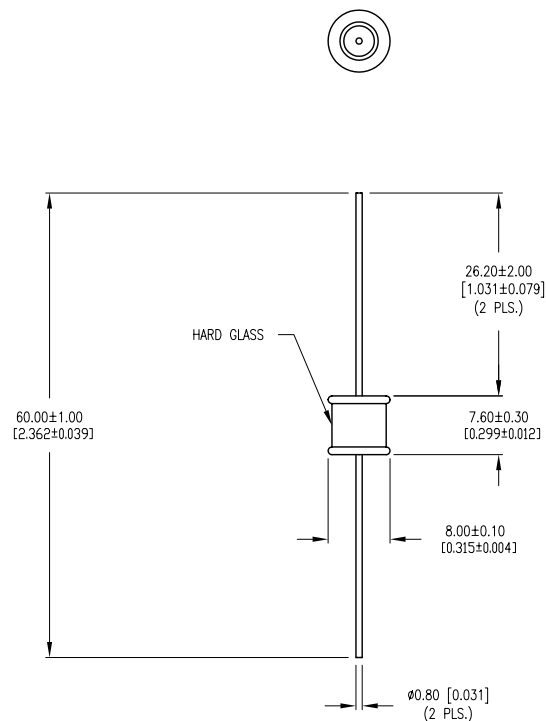


PART NUMBER	GT-BG800L	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
12.11.06	E.C.N. #11148.		A
12.21.11	E.C.N. #10BRDR.		B



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.

*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



290 E. HELEN ROAD
PALATINE, IL 60067–6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

AXIAL LEADED, SURGE ARRESTOR, 800 VDC.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
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.

DATE:	12.21.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ