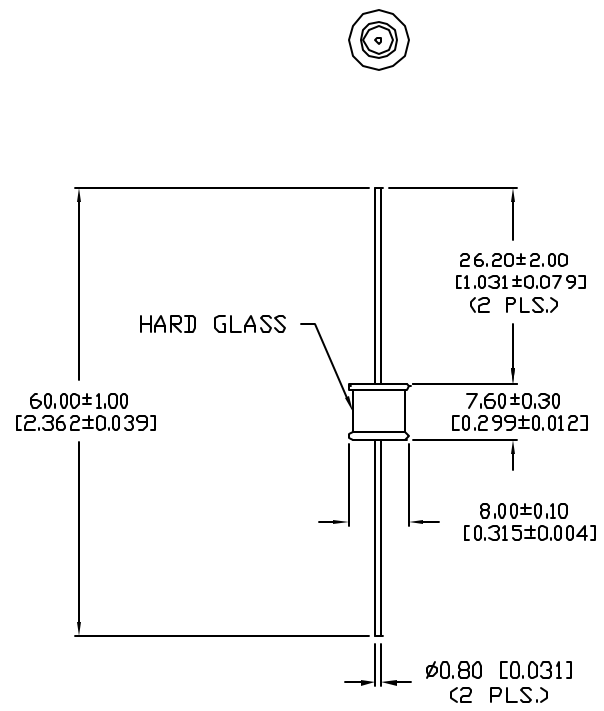


UNCONTROLLED DOCUMENT

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 ± 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	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/μS	NOTES: 10 ⁻⁸ sec.
5Kv/μS	1 x 10 ⁻⁹ sec.

1.



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*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
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RELIABILITY NOTE
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.



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AXIAL LEADED, SURGE ARRESTOR, 800 VDC.

DRAWN BY: jc	CHECKED BY:	APPROVED BY:	DATE: 12.11.06 PAGE: 1 OF 1 SCALE: N/A
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