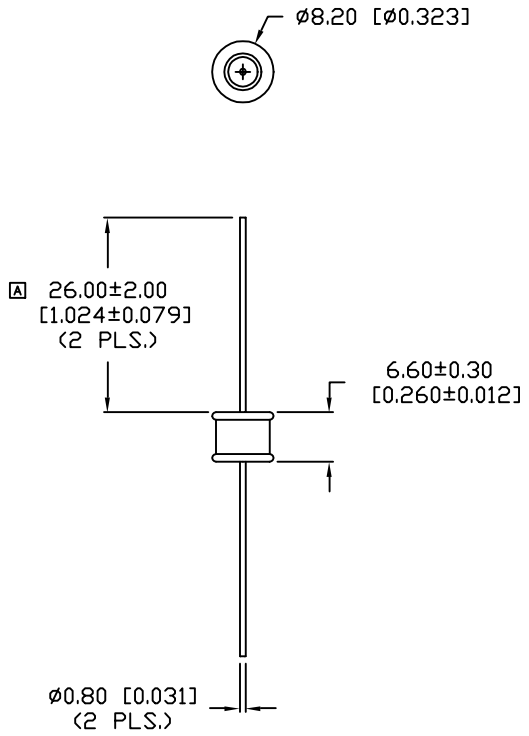


UNCONTROLLED DOCUMENT

PART NUMBER GT-BG470L		REV. A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10431. & #10BRDR. & REDRAWN.	3-27-00



ELECTRICAL SPECIFICATIONS

PARAMETER	VALUE	TEST CONDITION
D.C. FIRING VOLTAGE:	470V±15% D.C.	(dv/dt 100V/S)
IMPULSE FIRING VOLTAGE:	2000V D.C. MAX.	(dv/dt 5KV/μS)
IMPULSE CURRENT:	5KA	(8/20μS)
D.C. HOLDOVER VOLTAGE:	150V D.C. MAX.	(150mS MAX.)
A.C. DISCHARGE CURRENT:	5A	(1S X 10 TIMES)
IMPULSE CURRENT SURGE LIFE:	600 TIMES MIN.	(10/1000μS 500A)
INSULATION RESISTANCE:	10 <sup>4</sup> MΩ MIN.	(50 OR 100VDC)
INTER-ELECTRODE CAPACITANCE:	2 PF MAX.	1.0kHz

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 <sup>-3</sup> sec.
1Kv/μS	1 x 10 <sup>-6</sup> sec.
5Kv/μS	1 x 10 <sup>-6</sup> sec.

\*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 LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION -0.00

UNCONTROLLED DOCUMENT

REV. A	PART NUMBER GT-BG470L	<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><b>LUMEX</b> INCORPORATED</p> <p>290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: (847) 359-2790 WEB: <a href="http://www.lumex.com">http://www.lumex.com</a></p>		
MEDIUM DUTY GLASS BUTTON AXIAL LEADED, SURGE ARRESTOR, 470 VDC.		DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 7-31-95
					PAGE: 1 OF 1 SCALE: N/A