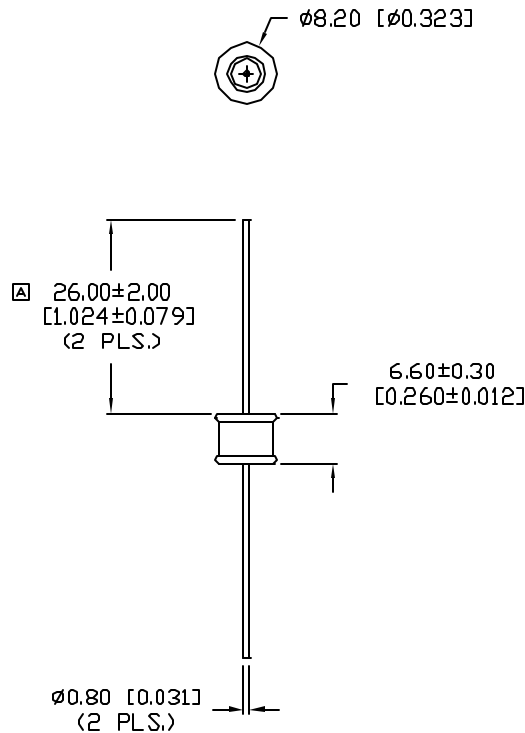


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
GT-BG230L		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:	230V ± 15% D.C.	(dv/dt 100V/S)
IMPULSE FIRING VOLTAGE:	1000V D.C. MAX.	(dv/dt 5KV/μS)
IMPULSE CURRENT:	5KA	(8/20μS)
D.C. HOLDOVER VOLTAGE:	115V 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	CONDITON	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.

UNCONTROLLED DOCUMENT

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

REV. A	PART NUMBER GT-BG230L	<p><b>CONFIDENTIAL INFORMATION</b></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><b>RELIABILITY NOTE</b></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 INCORPORATED</b></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, 230 VDC.		<p>DRAWN BY: BC</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p>	<p>DATE: 6-30-95</p> <p>PAGE: 1 OF 1</p> <p>SCALE: N/A</p>