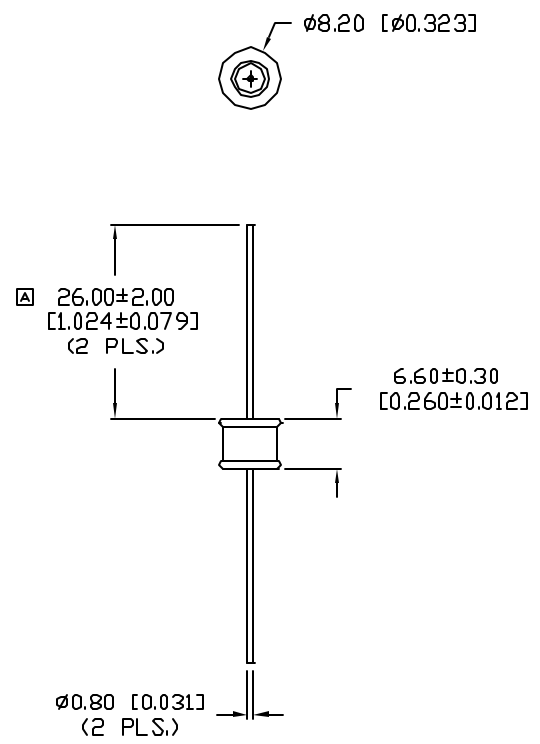


UNCONTROLLED DOCUMENT

PART NUMBER  
GT-BG230L

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:	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.

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\*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

**CONFIDENTIAL INFORMATION**  
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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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MEDIUM DUTY GLASS BUTTON  
AXIAL LEADED, SURGE ARRESTOR, 230 VDC.

bc

DRAWN BY: CHECKED BY: APPROVED BY: DATE: 6-30-95  
PAGE: 1 OF 1  
SCALE: N/A