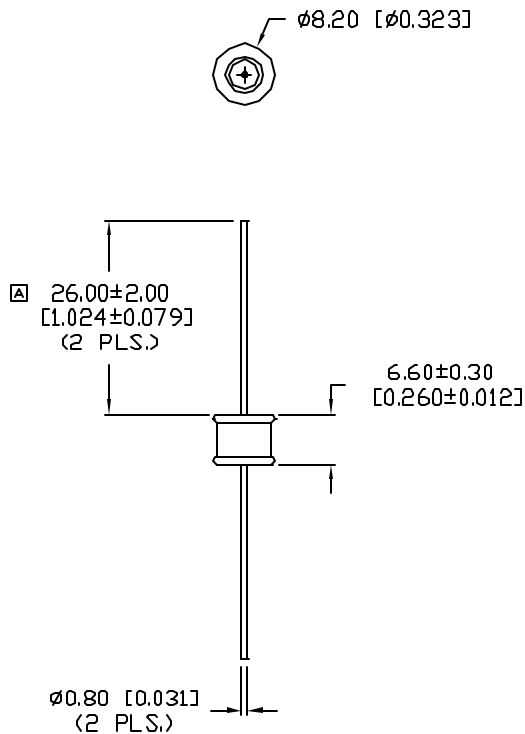


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
GT-BG470L		B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10431. & #10BRDR. & REDRAWN.	3-27-00
B	E.C.N. #11148.	12.11.06



ELECTRICAL SPECIFICATIONS		
PARAMETER	VALUE	TEST CONDITION
D.C. FIRING VOLTAGE:	470V \pm 15% D.C.	(dv/dt 100V/S)
IMPULSE FIRING VOLTAGE:	2000V D.C. MAX.	(dv/dt 5KV/ μ S)
IMPULSE CURRENT:	5KA	(8/20 μ S)
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.	(10/1000 μ S 500A)
INSULATION RESISTANCE:	10 ⁴ M Ω 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 ⁻³ sec.
1Kv/ μ S	1 x 10 ⁻⁶ sec.
5Kv/ μ S	NOTES: 10 ⁻⁶ 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.	PART NUMBER
B	GT-BG470L

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MEDIUM DUTY GLASS BUTTON
 AXIAL, LEADED, SURGE ARRESTOR, 470 VDC.

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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
jc			3.27.00
			PAGE: 1 OF 1
			SCALE: N/A