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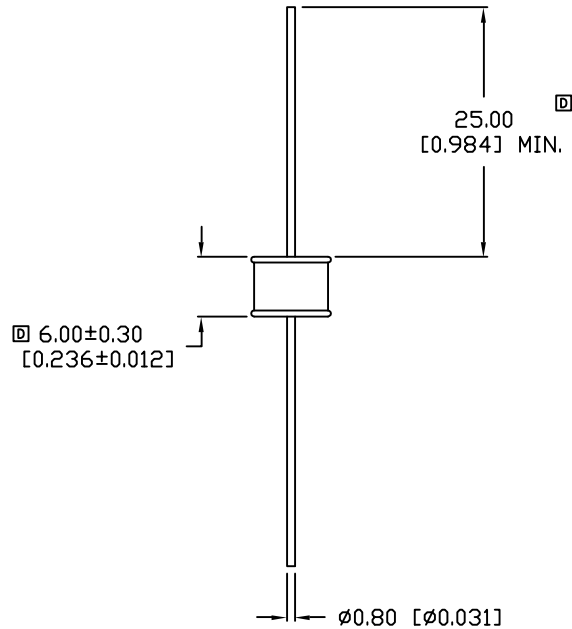
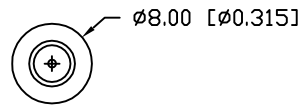
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UNCONTROLLED DOCUMENT

PART NUMBER  
GT-BG75L

REV.  
D



REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	4.22.98
B	E.C.N. #10710.	1.26.01
C	E.C.N. #11148.	12.11.06
D	E.C.N. #11454.	11.12.07

ELECTRICAL SPECIFICATIONS

PARAMETER	VALUE	TEST CONDITION
D.C. FIRING VOLTAGE:	75V±20%D.C.	(dv/dt 100V/S)
IMPULSE FIRING VOLTAGE:	450V D.C.MAX.	(dv/dt 100V/μS)
IMPULSE CURRENT:	10KA	(8/20μS)
D.C. HOLDOVER VOLTAGE:	45V D.C.MAX.	(150ms MAX.)
A.C. DISCHARGE CURRENT:	45A	(1S X 10 TIMES)
IMPULSE CURRENT SURGE LIFE:	200 TIMES MIN.	(50 Hz x 9TIMES)
INSULATION RESISTANCE:	10 <sup>4</sup> MΩ MIN.	(50 OR 100VDC)
INTER-ELECTRODE CAPACITANCE:	1.5 PF MAX.	1.0KHZ

ENVIRONMENTAL SPECIFICATIONS PER MIL-STD 202

TEST	METHODE	CONDITION	RATING
VIBRATION TESTING:	204B	C	10-55HZ,.06DA
SHOCK	213A	C	100G
HUMIDITY:	103B	B	95%RE.HUMIDITY
TEMPERATURE CYCLING:	102A	C	- 65 TO + 125 °C
BAROMETRIC PRESSURE:	105C	B	50,000FT.
THERMAL SHOCK:	107	B	- 65 TO + 125 °C
SOLDERABILITY:	208	B	

RESPONSE TIME

SURGE TYPE	(Rt MAX.)
1Kv/mS	1 x 10 <sup>-5</sup> sec.
1Kv/μS	1 x 10 <sup>-8</sup> sec.
5Kv/μS	1 x 10 <sup>-9</sup> sec.



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\*UNLESS OTHERWISE SPECIFIED 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 SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

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MEDIUM DUTY, CERAMIC BUTTON,  
AXIAL LEADED SURGE ARRESTOR, 75 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: JC	CHECKED BY:	APPROVED BY:	DATE: 12.11.06
			PAGE: 1 OF 1
			SCALE: N/A