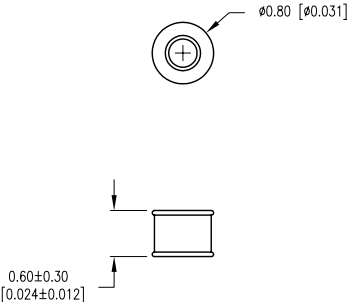


PART NUMBER	GT-BG90	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
12.27.11	E.C.N. #10BRDR.		A



ELECTRICAL SPECIFICATIONS		
PARAMETER	VALUE	TEST CONDITION
D.C. FIRING VOLTAGE:	90V±20%D.C.	(dv/dt 100V/S)
IMPULSE FIRING VOLTAGE:	500V D.C.MAX.	(dv/dt 100V/µS)
IMPULSE CURRENT:	10KA	(8/20µS)
D.C. HOLDOVER VOLTAGE:	50V D.C.MAX.	(150mS MAX.)
A.C. DISCHARGE CURRENT:	65A	(1S X 10 TIMES)
IMPULSE CURRENT SURGE LIFE:	400 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.

\*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= <sup>+0.00</sup>DECIMAL PRECISION <sub>-0.00</sub> MAX.= <sup>+0.00</sup>DECIMAL PRECISION <sub>-0.00</sub>



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MEDIUM DUTY, CERAMIC BUTTON, AXIAL LEADED, SURGE ARRESTOR, 90 VDC.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DATE:	12.27.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ

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GT-BG90