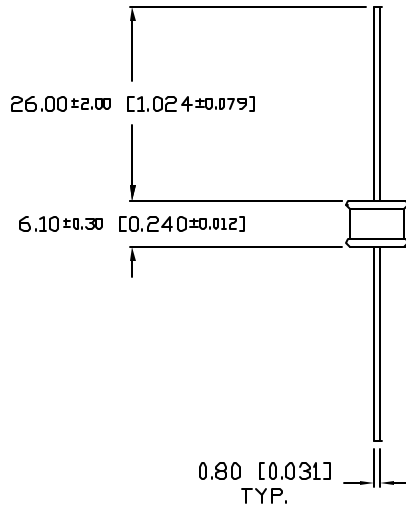


UNCONTROLLED DOCUMENT

Ø8.20±0.10 [0.323±0.004]



COPY OBJECTS AND
PUT ON REV- LAYER.

RESPONSE TIME

SURGE TYPE:	(Rt MAX.)
1Kv/ms:	1 X 10 ⁻⁵ SEC.
1Kv/us:	1 X 10 ⁻⁶ SEC.
5Kv/us:	1 X 10 ⁻⁹ SEC.

PART NUMBER GT-BG90L		REV. A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	12.11.06

APPLICABLE ENVIRONMENTAL SPECIFICATIONS

ALL UNITS MEET THE REQUIREMENTS OF MIL-STD 202 AS OUTLINED BELOW

TEST	METHOD	CONDITION	RATING
VIBRATION	204B	C	10-55Hz .06DA
SHOCK	213A	C	100 g
HUMIDITY	103B	B	95% Re. HUMIDITY
TEMPERATURE CYCLING	102A	C	-65°C TO +125°C
BAROMETRIC PRESSURE	105C	B	50,000 ft.
THERMAL SHOCK	107	B	-65°C TO 125°C
SOLDERABILITY	20B	B	

ELECTRICAL SPECIFICATIONS

D.C. FIRING VOLTAGE (dv/dt<100v/s):	90V ±20%
IMPULSE FIRING VOLTAGE (dv/dt=5kv/us):	MAX 1000V
PEAK IMPULSE CURRENT (8/20us PULSE):	5KA
SURGE LIFE:	100A 500 TIMES (8/20us)
INSULATION RESISTANCE:	MIN 10 ⁴ MΩ (DC 50V)
INTER-ELECTRODE CAPACITANCE:	MAX 2PF (1KHz)



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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), 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. A	PART NUMBER GT-BG90L	<p>CONFIDENTIAL INFORMATION</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>RELIABILITY NOTE</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>290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw</p>
AXIAL LEADED, SURGE ARRESTOR, 90 VDC.		DRAWN BY: JC CHECKED BY: APPROVED BY:	DATE: 12.11.06 PAGE: 1 OF 1 SCALE: N/A