

DATE

REVISIONS

REV

DRAWING NUMBER  
GT-BG90L

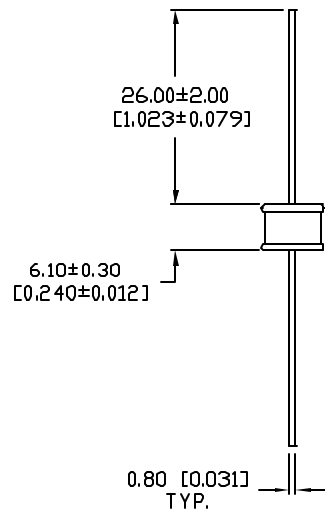
REV

*UNCONTROLLED DOCUMENT*

## 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 <sup>4</sup> MΩ (DC 50V)
INTER-ELECTRODE CAPACITANCE:	MAX 2PF (1KHz)

∅8.20±0.10  
[∅0.323±0.004]



## RESPONSE TIME

SURGE TYPE:	(Rt. MAX.)
1Kv/ms:	1 X 10 <sup>-5</sup> SEC.
1Kv/us:	1 X 10 <sup>-8</sup> SEC.
5Kv/us:	1 X 10 <sup>-9</sup> SEC.

## 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	208	B	—

## 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.

**LUMEX**  
INCORPORATED

290 E. HELLEN ROAD  
PALATINE, ILLINOIS 60067  
(847) 359-2790

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DATE:	3-9-98	DWN:	CHK'D:	APPD:
SCALE:	N/A			

AXIAL LEADED, SURGE ARRESTOR, 90 VDC.

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UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±.25mm (±0.010")

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