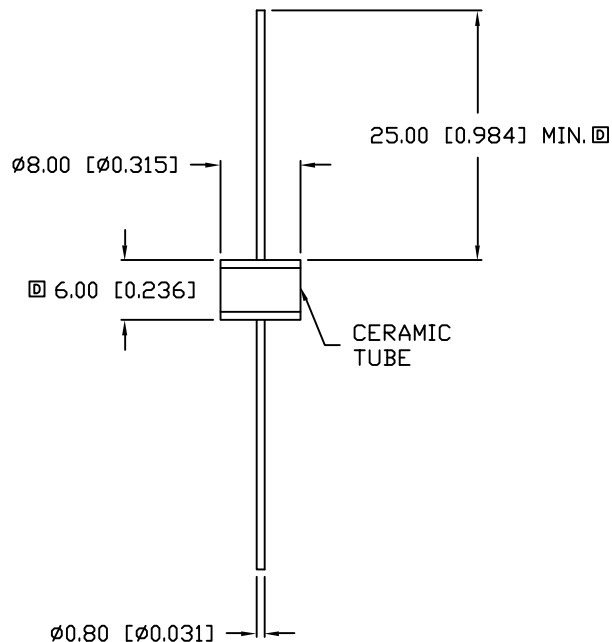


UNCONTROLLED DOCUMENT

PART NUMBER  
GT-CM90L

REV.  
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED WHERE SPECIFIED	8-13-93
B	E.C.N. #10BRDR & REDRAWN	3-27-00
C	E.C.N. #11148.	12.12.06
D	E.C.N. #11454.	11.15.07



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.



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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 -0.00

REV. D	PART NUMBER GT-CM90L	<p><b>CONFIDENTIAL INFORMATION</b> 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><b>RELIABILITY NOTE</b> 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>
CERAMIC SURGE PROTECTOR.		DRAWN BY: JC CHECKED BY: APPROVED BY:	DATE: 8.13.93 PAGE: 1 OF 1 SCALE: N/A