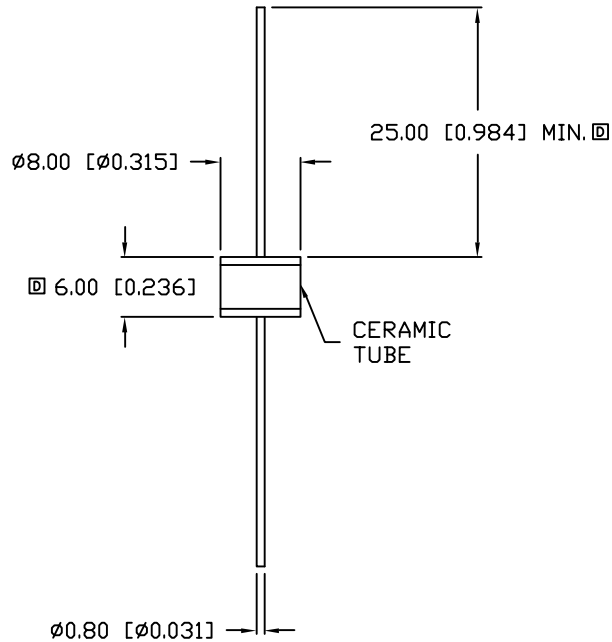


UNCONTROLLED DOCUMENT

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 ⁴ 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 ⁻⁵ sec.
1Kv/μS	1 x 10 ⁻⁸ sec.
5Kv/μS	1 x 10 ⁻⁹ 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 -0.00, MAX.= +0.00 -DECIMAL PRECISION

REV. D	PART NUMBER GT-CM90L
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CERAMIC SURGE PROTECTOR.

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: 8.13.93 PAGE: 1 OF 1 SCALE: N/A
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