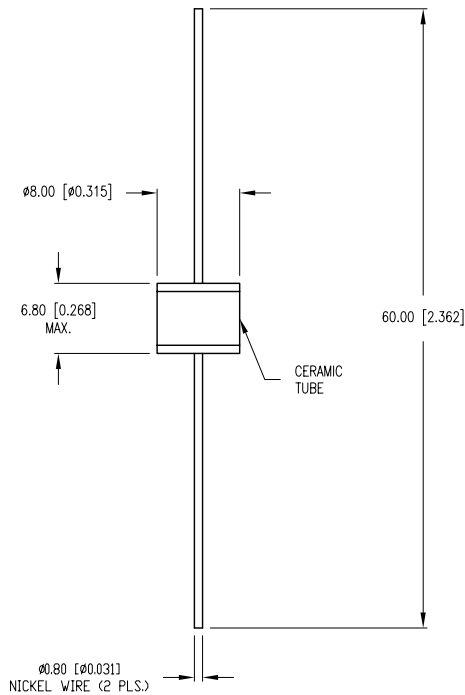


PART NUMBER	GT-CM230L	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
08.13.93	UPDATED WHERE SPECIFIED		A
03.27.00	E.C.N. #10BRDR & REDRAWN		B
12.12.06	E.C.N. #11148.		C
12.27.11	E.C.N. #10BRDR.		D




ELECTRICAL SPECIFICATIONS		
PARAMETER	VALUE	TEST CONDITION
D.C. FIRING VOLTAGE:	230V±15% D.C.	(dv/dt 100V/S)
IMPULSE FIRING VOLTAGE:	700V D.C. MAX.	(dv/dt 100V/μS)
[A] IMPULSE CURRENT:	10kA MAX.	(8/20μS)
D.C. HOLDOVER VOLTAGE:	145V D.C. MAX.	(150ms MAX.)
A.C. DISCHARGE CURRENT:	10A	(1S X 10 TIMES)
INSULATION RESISTANCE:	10 <sup>3</sup> MΩ MIN.	(50 OR 100VDC)
INTER-ELECTRODE CAPACITANCE:	1.0 PF MAX.	1.0kHz

ENVIRONMENTAL SPECIFICATIONS PER MIL-STD 202			
TEST	METHODE	CONDITION	RATING
VIBRATION TESTING:	204B	C	10-55Hz, .06DA
SHOCK	213A	C	100 g
HUMIDITY:	103B	B	95% Re. HUMIDITY
TEMPERATURE CYCLING:	102A	C	-65 TO +125 °C
BAROMETRIC PRESSURE:	105C	B	50,000 ft.
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>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.=<sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>

UNCONTROLLED DOCUMENT

 <b>LUMEX</b> Creating LED and LCD Solutions Together.™	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM	HEAVY DUTY CERAMIC SURGE PROTECTOR, 2 LEADED.		DATE: 12.27.11	DRAWN BY: AB
		**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**		PAGE: 1 OF 1	CHKD BY: JD
		CONFIDENTIAL INFORMATION 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.		SCALE: NTS	APRVD BY: SS
				UNIT: mm [INCH]	Ⓟ