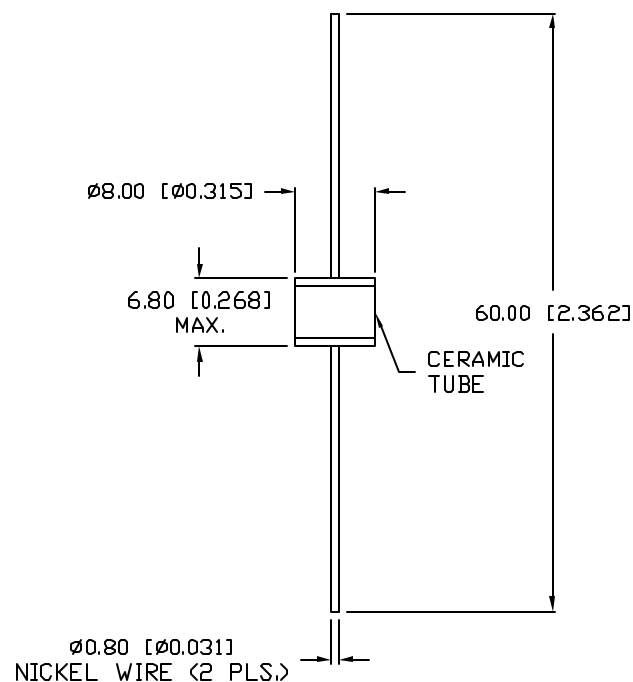


UNCONTROLLED DOCUMENT

PART NUMBER
GT-CM145LREV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR & REDRAWN	3-27-00
B	E.C.N. #11148.	12.11.06



ELECTRICAL SPECIFICATIONS

PARAMETER	VALUE	TEST CONDITION
D.C. FIRING VOLTAGE:	145V $\pm$ 20% D.C.	(dv/dt 100V/S)
IMPULSE FIRING VOLTAGE:	500V D.C. MAX.	(dv/dt 100V/ μ S)
IMPULSE CURRENT:	10KA MAX.	(8/20 μ S)
D.C. HOLDOVER VOLTAGE:	70V D.C. MAX.	(150mS MAX.)
A.C. DISCHARGE CURRENT:	5A	(1S X 10 TIMES)
INSULATION RESISTANCE:	10 ³ M Ω 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 ⁻⁵ sec.
1Kv/ μ S	1 x 10 ⁻⁸ sec.
5Kv/ μ S	1 x 10 ⁻⁹ sec.



UNCONTROLLED DOCUMENT

*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD LENGTH=±0.75 (±0.030). MIN. +DECIMAL PRECISION MAX.= +0.00 -0.00 -DECIMAL PRECISION

REV.
BPART NUMBER
GT-CM145LHEAVY DUTY CERAMIC SURGE PROTECTOR,
2 LEADED.

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.

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
INCORPORATED290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
PHONE: (847) 359-2790
WEB: <http://www.lumex.com>

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 12.11.06
JC			PAGE: 1 OF 1
			SCALE: N/A