

UNCONTROLLED DOCUMENT

|             |                                     |          |
|-------------|-------------------------------------|----------|
| PART NUMBER |                                     | REV.     |
| GT-RLSAE250 |                                     | A        |
| REV.        | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
| A           | E.C.N. #11148.                      | 12.19.06 |



ELECTRICAL SPECIFICATIONS

| CONDITION                    | SYMBOL            | RATING            |
|------------------------------|-------------------|-------------------|
| D.C. FIRING VOLTAGE:         | {dv/dt 100V/S}    | 250±10% VDC       |
| IMPULSE MAX. FIRING VOLTAGE: | {dv/dt 5KV/μS}    | 1200 VDC          |
| IMPULSE CURRENT (KA):        | {I/20μS}          | 1.5 KA MAX.       |
| IMPULSE SURGE LIFE(X):       | {I/20μS 500A}     | 1000 TIMES MIN.   |
| D.C. HOLDOVER VOLTAGE:       | {150ms MAX.}      | 50 V D.C.         |
| A.C. DISCHARGE CURRENT:      | {1S X 5 TIMES}    | 1 AMP             |
| A.C. FOLLOW-ON CURRENT:      | {1/2 CYCLE, 60Hz} | 1 AMP             |
| INSULATION RESISTANCE(MIN.): | {100VDC}          | 10 <sup>8</sup> Ω |
| INTER-ELECTRODE CAPACITANCE: | {1.0 KHz}         | 1.0 PF MAX.       |

ENVIRONMENTAL SPECIFICATIONS PER MIL-STD 202

| TEST               | METHOD | CONDITION | RATING           |
|--------------------|--------|-----------|------------------|
| VIBRATION TESTING: | 204B   | C         | C10-55Hz, .06DA  |
| THERMAL SHOCK:     | 107    | B         | -65 TO +125°C    |
| HUMIDITY:          | 103B   | B         | 95% Re. HUMIDITY |
| TEMP CYCLING:      | 102A   | C         | -65 TO +125°C    |
| SOLDERABILITY:     | 20B    | B         |                  |
| OPERATION TEMP.    | -      | -         | -40 TO +100°C    |

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), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002) UNLESS OTHERWISE SPECIFIED. DECIMAL PRECISION ±0.001 (±0.0001) UNLESS OTHERWISE SPECIFIED.

UNCONTROLLED DOCUMENT

|   |                            |   |  |
|---|----------------------------|---|--|
| REV.<br>A                               | PART NUMBER<br>GT-RLSAE250 | <p>CONFIDENTIAL INFORMATION</p> <p>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>RELIABILITY NOTE</p> <p>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<br/>PALATINE, IL 60067-6976<br/>PHONE: +1.847.359.2790<br/>US WEB: www.lumex.com<br/>TW WEB: www.lumex.com.tw</p> |
| LIGHT DUTY RADIAL LEAD ARRESTOR 250VDC. |                            | DRAWN BY: JC<br>CHECKED BY:<br>APPROVED BY:   | DATE: 12.19.06<br>PAGE: 1 OF 1<br>SCALE: N/A   |