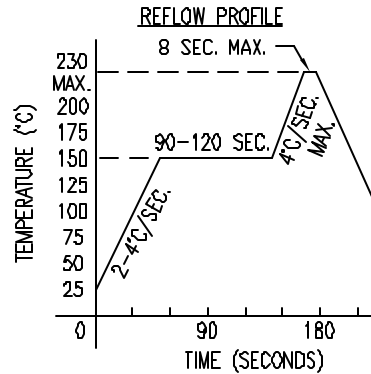
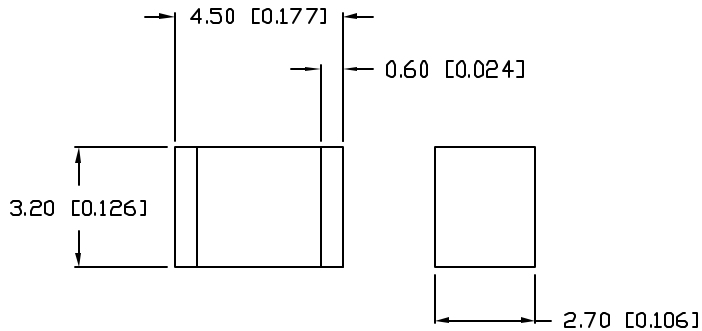


UNCONTROLLED DOCUMENT

PART NUMBER
GT-SMD181220012-TR

REV.
A

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

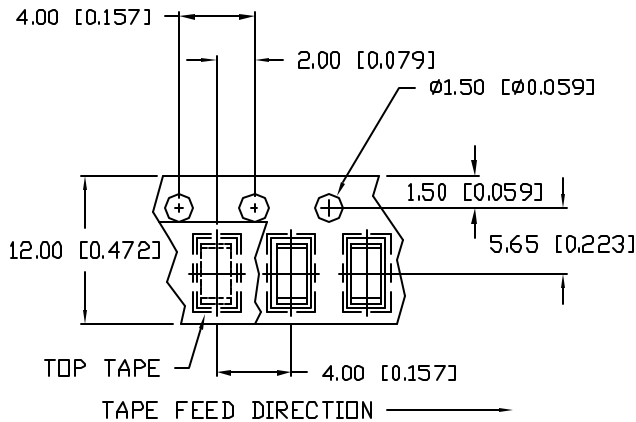


ELECTRICAL SPECIFICATIONS

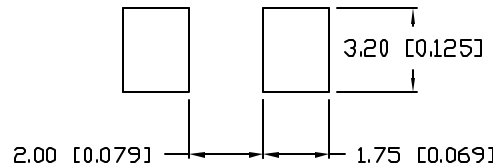
| PARAMETER | VALUE | TEST CONDITION |
|------------------------------|-------------------------|------------------|
| D.C. FIRING VOLTAGE: | 200V±20% D.C. | (dv/dt 100V/5) |
| IMPULSE CURRENT: | 1KA MAX. | (8/20μS) |
| A.C. DISCHARGE CURRENT: | 1A | (50Hz, 9 CYCLES) |
| INSULATION RESISTANCE: | 10 ⁴ MΩ MIN. | 50 VDC |
| 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, 0.6DA |
| 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: | 20B | B | |



RECOMMENDED SOLDER PAD LAYOUT



NOTES:

1. 500 PIECES PER REEL.



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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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. | PART NUMBER |
|------|--------------------|
| A | GT-SMD181220012-TR |

3.2 x 4.5mm SURFACE MOUNT SURGE,
ARRESTOR, 200V.

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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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

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|-----------------|-------------|--------------|----------------|
| DRAWN BY: jc | CHECKED BY: | APPROVED BY: | DATE: 12.19.06 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |