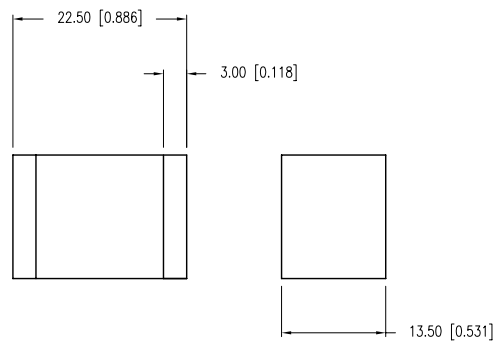
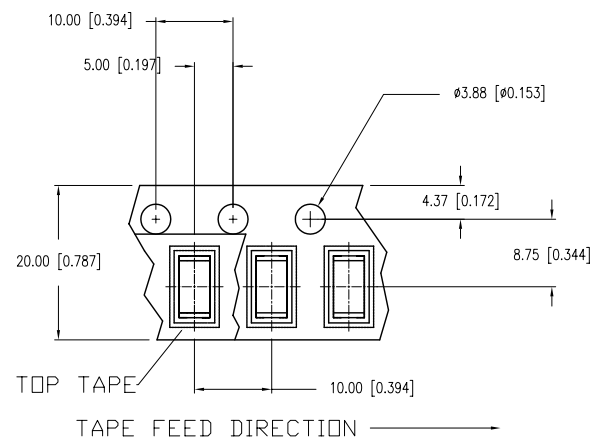


| PART NUMBER | GT-SMD181215022-TR                  | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 12.19.06    | E.C.N. #11148.                      |      | A    |
| 02.24.09    | E.C.N. #11622.                      |      | B    |

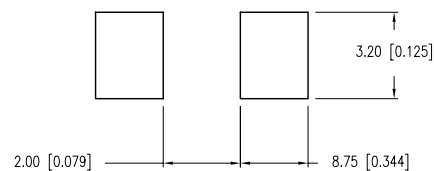


| ELECTRICAL SPECIFICATIONS    |                         |                  |
|------------------------------|-------------------------|------------------|
| PARAMETER                    | VALUE                   | TEST CONDITION   |
| D.C. FIRING VOLTAGE:         | 150V±20% D.C.           | (dv/dt: 100V/S)  |
| IMPULSE CURRENT:             | 2KA MAX.                | (8/20μS)         |
| A.C. DISCHARGE CURRENT:      | 2A                      | (50Hz, 9 CYCLES) |
| INSULATION RESISTANCE:       | 10 <sup>4</sup> 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, 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         |                  |

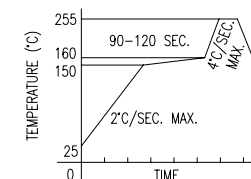


RECOMMENDED SOLDER PAD LAYOUT



LEAD FREE REFLOW PROFILE

10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

## B NOTES:

- 2000 PIECES PER REEL.

\*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



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3.2 x 4.5mm SURFACE MOUNT SURGE, ARRESTOR, 150V.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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|        |           |           |      |
|--------|-----------|-----------|------|
| DATE:  | 12.19.06  | DRAWN BY: | JN   |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF   |
| SCALE: | N/A       | APRVD BY: | SS   |
| UNIT:  | mm [INCH] |           | (Pb) |

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