



ISO9001:2008 Certified

**Mechanical Specifications (mm)**

|   |      |       |
|---|------|-------|
| D:  | 31.0 | ± max |
| T:  | 7.0  | ± max |
| Lead Diameter                             | 1.0  | ± nom |
| S:  | 7.8  | ± nom |
| L:  | 38.0 | ± nom |
| Coating Lead Run Down<br>(straight Leads) | 5.0  | ± max |
| B:  | 7.80 | ± nom |
| C:  | 4.50 | ± nom |



**Electrical Specifications**

|                                       |        |       |        |
|---------------------------------------|--------|-------|--------|
| Resistance:                           | 1.0    | Ω     | ± 25 % |
| Max Steady State Current upto 65°C:   | 36.00  | A     |        |
| Max Rec. Energy Rating:               | 300    | J     |        |
| Actual Failure Instantaneous Energy:  | 540    | J     |        |
| Maximum Capacitance @ 120 VAC:        | 20,700 | µf    |        |
| Maximum Capacitance @ 240 VAC:        | 5,209  | µf    |        |
| Maximum Capacitance @ 440 VAC:        | 1,204  | µf    |        |
| Maximum Capacitance @ 680 VAC:        | 600    | µf    |        |
| Resistance @ 100% Max Current:        | 0.01   | Ω     |        |
| Resistance @ 50% Max Current:         | 0.02   | Ω     |        |
| Body Temperature at 100% Max Current: | 255.00 | °c    |        |
| Dissipation Constant:                 | 72.0   | mw/°c |        |
| Thermal Time Constant:                | 285    | Sec.  |        |
| Material Type (for Beta and Curve):   | B      |       |        |

|  |                          |
|--|--------------------------|
| <b>MS32 1R036</b>  |                          |
| Date: 11/11/2008   | Drawn by: Erin Landis    |
| Ametherm, Inc.<br>3111 N. Deer Run Road<br>Carson City, Nevada USA 89701<br>www.ametherm.com | Approved By: Mehdi Samii |
|  | Revision: a              |