



ISO9001:2008 Certified

### Mechanical Specifications (mm)

|                                           |      |       |
|-------------------------------------------|------|-------|
| D:                                        | 37.0 | ± max |
| T:                                        | 11.0 | ± max |
| Lead Diameter                             | 2.5  | ± nom |
| S:                                        | 19.0 | ± nom |
| L:                                        | 39.0 | ± nom |
| Coating Lead Run Down<br>(straight Leads) | 7.0  | ± max |
| B:                                        |      | ±     |
| C:                                        | 7.50 | ± nom |



### Electrical Specifications

|                                       |        |       |        |
|---------------------------------------|--------|-------|--------|
| Resistance:                           | 1.0    | Ω     | ± 25 % |
| Max Steady State Current upto 65°C:   | 40.00  | A     |        |
| Max Rec. Energy Rating:               | 800    | J     |        |
| Actual Failure Instantaneous Energy:  |        | J     |        |
| Maximum Capacitance @ 120 VAC:        | 55,000 | μf    |        |
| Maximum Capacitance @ 240 VAC:        | 13,893 | μf    |        |
| Maximum Capacitance @ 440 VAC:        | 3,211  | μf    |        |
| Maximum Capacitance @ 680 VAC:        | 1,600  | μf    |        |
| Resistance @ 100% Max Current:        | 0.01   | Ω     |        |
| Resistance @ 50% Max Current:         | 0.03   | Ω     |        |
| Body Temperature at 100% Max Current: | 215.00 | °c    |        |
| Dissipation Constant:                 | 78.0   | mw/°c |        |
| Thermal Time Constant:                | 240    | Sec.  |        |
| Material Type (for Beta and Curve):   | B      |       |        |

| MS35 1R040                                                                                   |                          |
|----------------------------------------------------------------------------------------------|--------------------------|
| 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              |