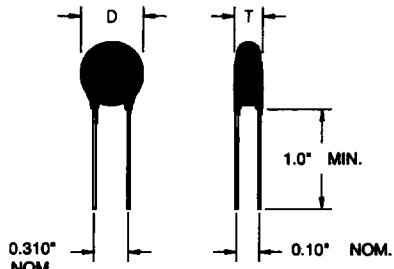


|  |  | <b>FEATURES</b> <ul style="list-style-type: none"> <li>▪ PC board mountable</li> <li>▪ Rugged Design</li> <li>▪ Solderable leads</li> <li>▪ High quality</li> <li>▪ Low cost</li> </ul> |
|--|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|--|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

All illustration dimensions are in inches.

**Fenwal Electronics INRUSH CURRENT LIMITERS** are a cost-effective way of limiting the Inrush of current that can damage components in a switching power supply and other power devices when the equipment is turned on.

| Inrush Current Limiter Specifications      |                                           |
|--------------------------------------------|-------------------------------------------|
| Resistance @ 25°C, ± 20%                   | 0.5 to 220 ohms                           |
| Maximum Steady State Current               | 1 to 30 amperes                           |
| Resistance at Maximum Steady State Current | 0.01 to 2.34 ohms                         |
| Operating Temperature                      | -40° to +185°C                            |
| Storage Temperature                        | -40° to +220°C                            |
| Lead Pull Strength                         | 1 kg. applied in axial direction          |
| Solderability of Leads                     | More than 95%                             |
| Lead Construction                          | Straight tinned copper (kinked available) |
| Coating                                    | Black silicone                            |
| Physical Dimensions                        |                                           |
| Maximum Diameter                           | 9.5 mm [0.374"] to 32.0 mm [1.260"]       |
| Maximum Thickness                          | 5.0 mm [0.204"] to 8.0 mm [0.327"]        |
| Lead Diameter                              | 0.8 mm [0.032"] to 1.0 mm [0.040"]        |

| Standard ICL Specifications |                              |                                              |                                                    |                                                 |       |                                                  |       |                                |       |
|-----------------------------|------------------------------|----------------------------------------------|----------------------------------------------------|-------------------------------------------------|-------|--------------------------------------------------|-------|--------------------------------|-------|
| Part Number                 | Resistance<br>25°C<br>(Ohms) | Maximum Steady<br>State Current<br>(Amperes) | Resistance @ Max<br>Steady State Current<br>(Ohms) | "D" Maximum<br>Coated Diameter<br>(mm) (Inches) |       | "T" Maximum<br>Coated Thickness<br>(mm) (Inches) |       | Lead Diameter<br>(mm) (Inches) |       |
| ICL320R530-01               | 0.5                          | 30                                           | 0.01                                               | 32                                              | 1.26  | 8                                                | 0.327 | 1                              | 0.04  |
| ICL221R020-01               | 1                            | 20                                           | 0.02                                               | 22                                              | 0.866 | 6                                                | 0.245 | 1                              | 0.04  |
| ICL321R030-01               | 1                            | 30                                           | 0.02                                               | 32                                              | 1.26  | 6                                                | 0.245 | 1                              | 0.04  |
| ICL222R018-01               | 2                            | 18                                           | 0.03                                               | 22                                              | 0.866 | 6                                                | 0.245 | 1                              | 0.04  |
| ICL152R508-01               | 2.5                          | 8                                            | 0.07                                               | 15                                              | 0.591 | 6                                                | 0.245 | 0.8                            | 0.032 |
| ICL222R508-01               | 2.5                          | 8                                            | 0.06                                               | 22                                              | 0.866 | 6                                                | 0.245 | 1                              | 0.04  |
| ICL222R515-01               | 2.5                          | 15                                           | 0.03                                               | 22                                              | 0.866 | 6                                                | 0.245 | 1                              | 0.04  |
| ICL155R006-01               | 5                            | 6                                            | 0.1                                                | 15                                              | 0.591 | 6                                                | 0.245 | 0.8                            | 0.032 |
| ICL155R007-01               | 5                            | 7                                            | 0.07                                               | 15                                              | 0.591 | 6                                                | 0.245 | 0.8                            | 0.032 |
| ICL1010002-01               | 10                           | 2                                            | 0.3                                                | 9.5                                             | 0.374 | 5                                                | 0.204 | 0.5                            | 0.020 |
| ICL1010004-01               | 10                           | 3.2                                          | 0.18                                               | 9.5                                             | 0.374 | 5                                                | 0.204 | 0.5                            | 0.020 |
| ICL1210005-01               | 10                           | 5                                            | 0.13                                               | 11.5                                            | 0.453 | 5                                                | 0.204 | 0.8                            | 0.032 |
| ICL1510006-01               | 10                           | 6                                            | 0.15                                               | 15                                              | 0.591 | 6                                                | 0.245 | 0.8                            | 0.032 |
| ICL2210008-01               | 10                           | 8                                            | 0.1                                                | 22                                              | 0.866 | 6                                                | 0.245 | 1                              | 0.04  |
| ICL1512004-01               | 12                           | 4                                            | 0.26                                               | 15                                              | 0.591 | 6                                                | 0.245 | 0.8                            | 0.032 |
| ICL1516004-01               | 16                           | 4                                            | 0.27                                               | 15                                              | 0.591 | 6                                                | 0.245 | 0.8                            | 0.032 |
| ICL1220002-01               | 20                           | 2                                            | 0.5                                                | 11.5                                            | 0.453 | 5                                                | 0.204 | 0.8                            | 0.032 |
| ICL1240002-01               | 40                           | 2                                            | 0.6                                                | 12                                              | 0.470 | 5                                                | 0.204 | 0.8                            | 0.032 |
| ICL1250002-01               | 50                           | 2                                            | 0.72                                               | 11.5                                            | 0.453 | 5                                                | 0.204 | 0.8                            | 0.032 |
| ICL1580003-01               | 80                           | 2.5                                          | 0.75                                               | 15                                              | 0.591 | 6                                                | 0.245 | 0.8                            | 0.032 |
| ICL2212103-01               | 120                          | 3                                            | 0.9                                                | 22                                              | 0.866 | 6                                                | 0.245 | 1                              | 0.04  |
| ICL1522102-01               | 220                          | 2                                            | 0.8                                                | 15                                              | 0.591 | 5                                                | 0.204 | 0.8                            | 0.032 |

Custom Designs are available to meet the specific needs of your unique application.