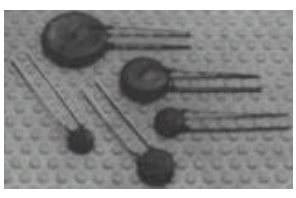
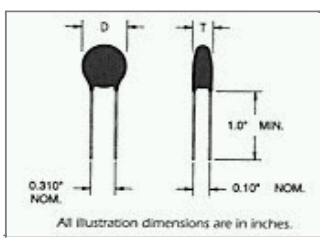
# ICL Inrush Current Limiters



Honeywell ICL 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.

**Features**

- PC board mountable
- Rugged design
- Solderable leads
- High quality
- Low cost

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**Inrush Current Limiter Specifications**

| Parameter | Value |
|---|---|
| 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 °C to 185 °C |
| Storage Temperature | -40 °C 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 |
| Maximum Diameter | 9.5 mm (0.374 inch) to 32.0 mm (1.260 inch) |
| Maximum Thickness | 5.0 mm (0.204 inch) to 8.0 mm (0.327 inch) |
| Lead Diameter | 0.8 mm (0.032 inch) to 1.0 mm (0.040 inch) |

**Standard ICL Specifications (Part I)**

| Part Number | Resistance at 25 °C (Ohms) | Max. Steady State Current (Amperes) | Resistance @ Max. Steady State Current (Ohms) |
|---|---|---|---|
| ICL32OR530-01 | 0.5 | 30 | 0.01 |
| ICL22IR020-01 | 1 | 20 | 0.02 |
| ICL32IR030-01 | 1 | 30 | 0.02 |
| ICL222R018-01 | 2 | 18 | 0.03 |
| ICLI52R508-01 | 2.5 | 8 | 0.07 |
| ICL222R508-01 | 2.5 | 8 | 0.06 |
| ICL222R515-01 | 2.5 | 15 | 0.03 |
| ICLI55R006-01 | 5 | 6 | 0.1 |
| ICL155R007-01 | 5 | 7 | 0.07 |
| ICL1010002-01 | 10 | 2 | 0.3 |
| ICL1010004-01 | 10 | 3.2 | 0.18 |
| ICL1210005-01 | 10 | 5 | 0.13 |
| ICL1510006-01 | 10 | 6 | 0.15 |
| ICL2210008-01 | 10 | 8 | 0.1 |
| ICL1512004-01 | 12 | 4 | 0.26 |
| ICL1516004-01 | 16 | 4 | 0.27 |
| ICL1220002-01 | 20 | 2 | 0.5 |
| ICL1240002-01 | 40 | 2 | 0.6 |
| ICL1250002-01 | 50 | 2 | 0.72 |
| ICL1580003-01 | 80 | 2.5 | 0.75 |
| ICL2212103-01 | 120 | 3 | 0.9 |
| ICL1522102-01 | 220 | 2 | 0.8 |

**Standard ICL Specifications (Part II)**

| Part Number | "D" Max. Coated Diameter (mm) | "T" Max. Coated Thickness (mm) | Lead Diameter (mm) |
|---|---|---|---|
| ICL32OR530-01 | 32 | 8 | 1 |
| ICL22IR020-01 | 22 | 6 | 1 |
| ICL32IR030-01 | 32 | 6 | 1 |
| ICL222R018-01 | 22 | 6 | 1 |
| ICLI52R508-01 | 15 | 6 | 0.8 |
| ICL222R508-01 | 22 | 6 | 1 |
| ICL222R515-01 | 22 | 6 | 1 |
| ICLI55R006-01 | 15 | 6 | 0.8 |
| ICL155R007-01 | 15 | 6 | 0.8 |
| ICL1010002-01 | 9.5 | 5 | 0.5 |
| ICL1010004-01 | 9.5 | 5 | 0.5 |
| ICL1210005-01 | 11.5 | 5 | 0.8 |
| ICL1510006-01 | 15 | 6 | 0.8 |
| ICL2210008-01 | 22 | 6 | 1 |
| ICL1512004-01 | 15 | 6 | 0.8 |
| ICL1516004-01 | 15 | 6 | 0.8 |
| ICL1220002-01 | 11.5 | 5 | 0.8 |
| ICL1240002-01 | 12 | 5 | 0.8 |
| ICL1250002-01 | 11.5 | 5 | 0.8 |
| ICL1580003-01 | 15 | 6 | 0.8 |
| ICL2212103-01 | 22 | 6 | 1 |
| ICL1522102-01 | 15 | 5 | 0.8 |

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