

10mm x 38mm Ceramic Cartridge Power Fuse

multicomp PRO

**RoHS
Compliant**



Application

Over current protection in solar system

Specification

Current Rating : 15A - 30A
 Voltage Rating : 600V
 Interrupting Current rating : 150,000 amperes at 600V AC
 50,000 amperes at 600V DC
 50,000 amperes at 600V DC
 10,000 amperes at 600V DC

Fuse Body Material : Ceramic
 Fuse Caps Material : Nickel Plated Copper Alloy
 Termination Material : Tin Plated Copper
 Operating Temperature : -55°C to 125°C

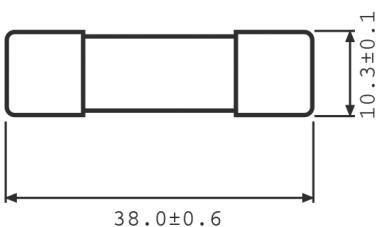
Electrical Characteristics

| Rating | 100% Rating | | 113% Rating | | 135% Rating | | 145% Rating | | 200% Rating | |
|-----------|-------------|------|-------------|------|-------------|--------|-------------|--------|-------------|------|
| | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| 15A - 30A | 4 Hrs | - | 60 min | - | - | 60 min | - | 60 min | - | 4min |

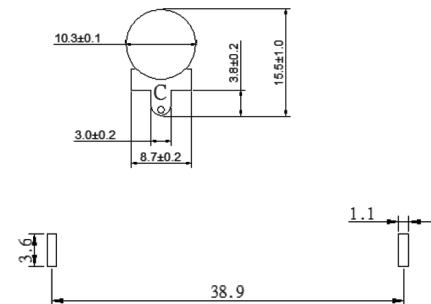
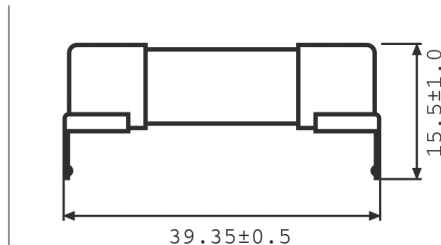
| Part Number | Ampere Rating (A) | Voltage Rating (V) | Nominal Cold Resistance (Ohms) | Watts Loss 70% In (W) | Watts Loss 100% In (W) | Nominal Melting I ² t (A ² sec.) |
|-------------|-------------------|--------------------|--------------------------------|-----------------------|------------------------|--|
| MP001901 | 15A | 600V | 0.0081 | 2.2 | 5.4 | 51.64 |
| MP001902 | 15A | | 0.0081 | 2.2 | 5.4 | 51.64 |
| MP001903 | 20A | | 0.0049 | 2.6 | 6.3 | 206.48 |
| MP001904 | 20A | | 0.0049 | 2.6 | 6.3 | 206.48 |
| MP001905 | 25A | | 0.0037 | 3.1 | 6.9 | 1067.18 |
| MP001906 | 25A | | 0.0037 | 3.1 | 6.9 | 1067.18 |
| MP001907 | 30A | | 0.0028 | 3.5 | 7.6 | 1740.00 |
| MP001908 | 30A | | 0.0028 | 3.5 | 7.6 | 1740.00 |

Recommend Circuit Board distance

Mechanical Dimensions



Dimensions : Millimetres



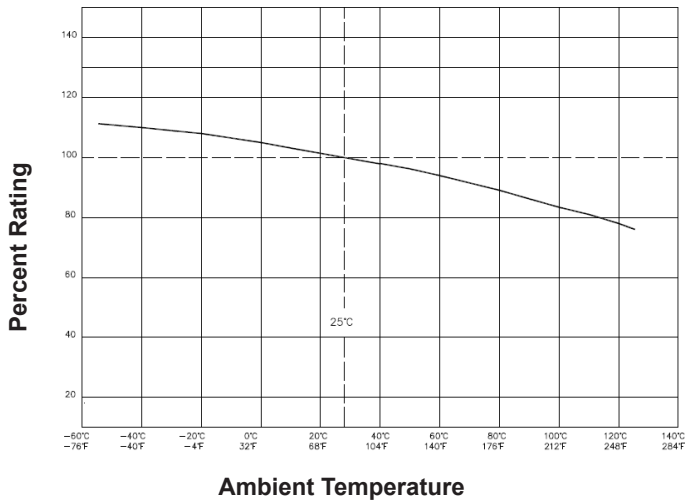
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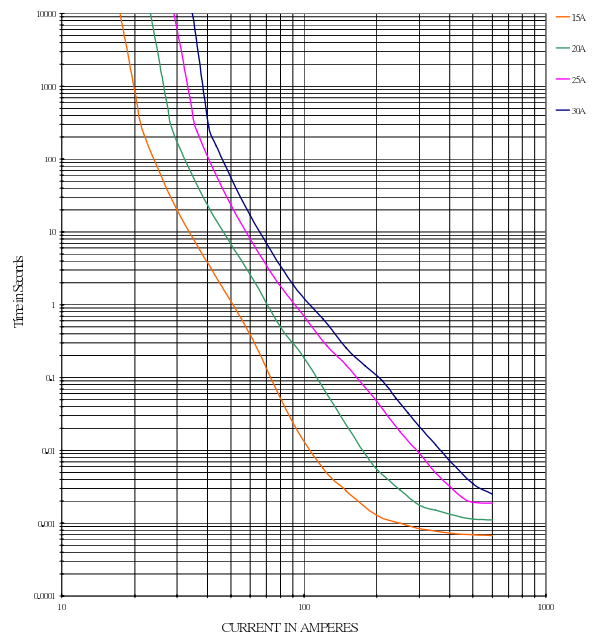
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Chart Showing Effect of Ambient Temperature on Current — Carrying Capacity



Average Melting IT Curves



Part Number Table

| Description | Part Number |
|--|-------------|
| Ceramic Cartridge Power Fuse, Ø10mm × 38mm, 15A, 600V AC | MP001901 |
| Ceramic Cartridge Power Fuse, Ø10mm × 38mm, 15A, 600V AC, Through hole | MP001902 |
| Ceramic Cartridge Power Fuse, Ø10mm × 38mm, 20A, 600V AC | MP001903 |
| Ceramic Cartridge Power Fuse, Ø10mm × 38mm, 20A, 600V AC, Through hole | MP001904 |
| Ceramic Cartridge Power Fuse, Ø10mm × 38mm, 25A, 600V AC | MP001905 |
| Ceramic Cartridge Power Fuse, Ø10mm × 38mm, 25A, 600V AC, Through hole | MP001906 |
| Ceramic Cartridge Power Fuse, Ø10mm × 38mm, 30A, 600V AC | MP001907 |
| Ceramic Cartridge Power Fuse, Ø10mm × 38mm, 30A, 600V AC, Through hole | MP001908 |

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