

# 10mm×38mm Ceramic Cartridge Power Fuse

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**RoHS  
Compliant**

## Application

Over current protection in solar system



## Specifications

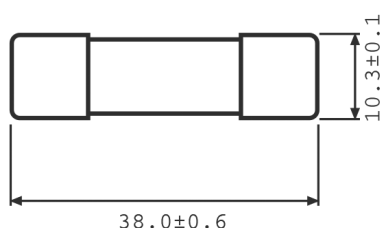
Current Rating	: 15A - 30A
Voltage Rating	: 600V
Interrupting Current rating	: 150,000 amperes at 600V AC 50,000 amperes at 600V DC 50,000 amperes at 600V DC 10,000 amperes at 600V DC
Fuse Body Material	: Ceramic
Fuse Caps Material	: Nickel Plated Copper Alloy
Termination Material	: Tin Plated Copper
Operating Temperature	: -55°C to 125°C
UL Approved	

## 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 <sup>2</sup> t (A <sup>2</sup> 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

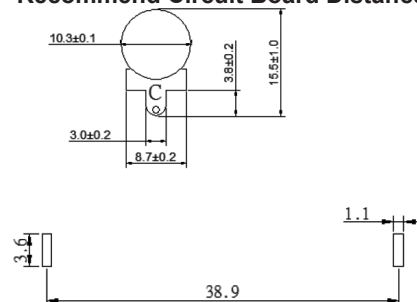
## Mechanical Dimensions



Dimensions : Millimetres



### Recommend Circuit Board Distance



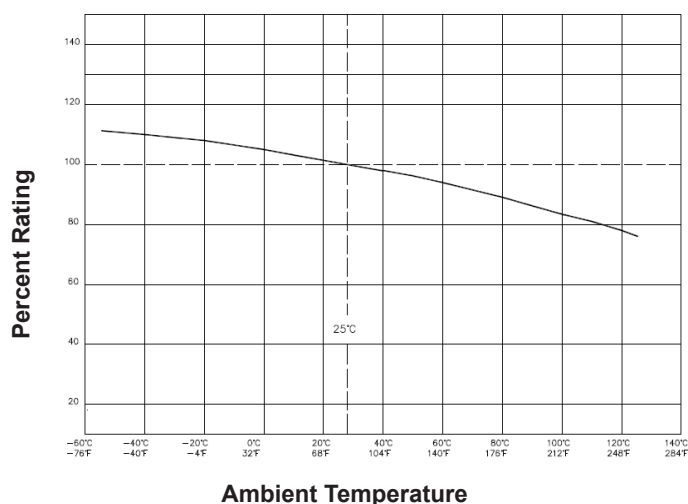
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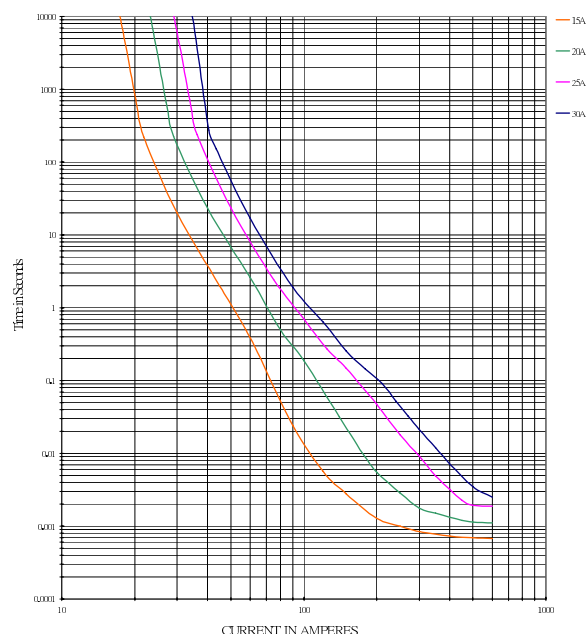
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Chart Showing Effect of Ambient Temperature on Current — Carrying Capacity



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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