Time-Lag Sub-Miniature Fuse 6.35mm × 31.8mm

multicomp PRO



Description

RoHS Compliant

The product provides protection for printed circuit boards and is used in a large variety of applications that need fuses with time-delay, high interrupting rating and voltage rating characteristics. This miniature device is constructed of a ceramic tube and base with copper caps (tin plated copper lead wire optional). It offers excellent mounting characteristics and is 100% tested for cold resistance.

Features

- · Miniature fuse with time delay, high interrupting and high voltage ratings
- Small size, tubular design
- · Copper caps / ceramic fuse body
- · 0.8mm or 1mm lead wires made of tin plated copper
- · Protection against harmful over-currents in primary and secondary applications
- · Lead-free and Halogen-free
- Designed according to UL-248-14

Specifications

Operating Temperature : -55°C to +125°C Storage Conditions : -55°C to +85°C

Relative Humidity : ≤ 75% yearly average without dew, maximum 30 days at 95%

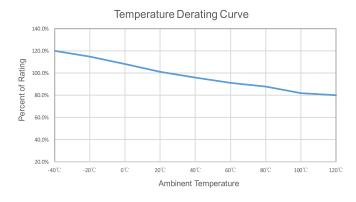
Vibration Resistance : 24 cycles at 15 min. each

10-60Hz at 0.75mm amplitude 60-2000Hz at 10g acceleration

Electrical Characteristics

Part Number	Rated Current	Breaking Capacity	Nominal Melting l ² t (A ² sec)
MP001617	1A	10kA/125V AC 100A/250V AC 50-60Hz cosφ=0.7-0.8	4.84

Temperature Derating Curve



Calculation for ideal fuse selection = $\frac{\text{Operating Current (A)}}{\text{Rating (\% \times 0.75)}}$

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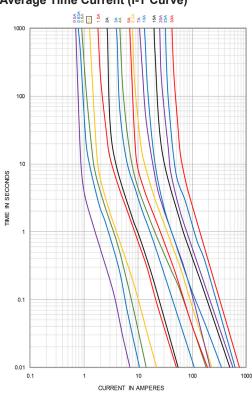


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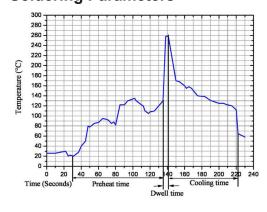
Time vs Current Characteristics Table

Average Time Current (I-T Curve)



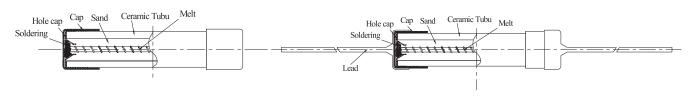
Time vs Current Characteristics: UL-248-14				
Rated Current	100%	135%	200%	
1A	>4h	<1h	5s~60s	

Soldering Parameters



260°C = ≤5 sec (Wave Soldering) 350°C = ≤3 sec (Hand Soldering) Soldering Peak: 260°C = 10 sec (IEC 60068-20)

Mechanical Specifications

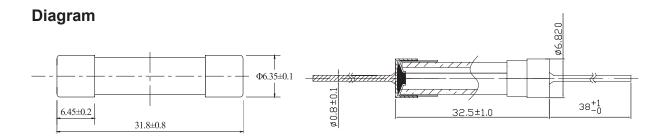


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Dimensions: Millimetres

Part Number Table

Description	Part Number
Sub-Miniature Cartridge Fuse, Time-Lag, 1A, 250V AC, 6.35mm × 31.8mm	MP001617

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