

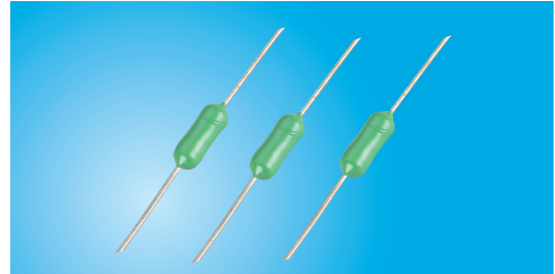
Axial Lead & Cartridge Fuse

3X8.4mm>Ceramic HBC>MFH Series

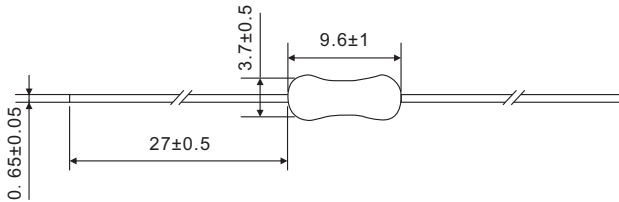


Description

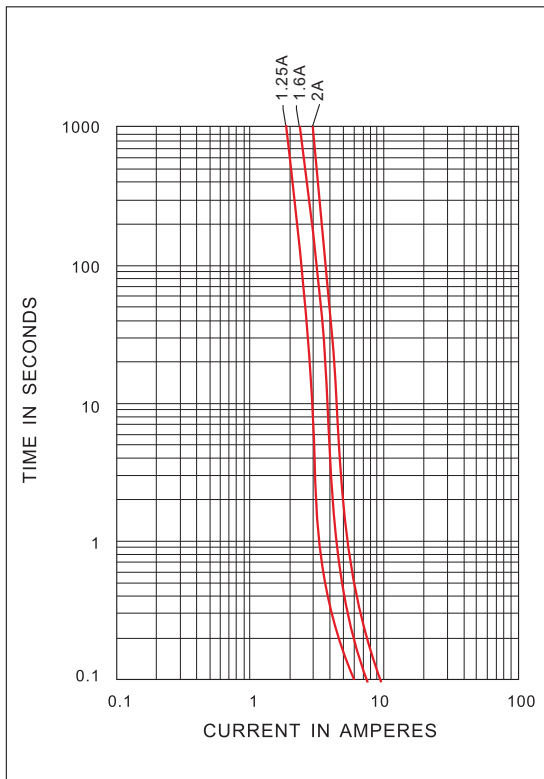
- The MFH Series is an axial lead 3X8.4mm fuse, designed for overcurrent protection in electronic appliance charger applications. The robust design enables the device to withstand up to 24 hits of 7.5KV ringwave surge and, its epoxy coating helps open safely on a direct short condition without producing soot, sparks, sounds. The enhanced electrical characteristics of the MFH Series make it ideal for use in wall-mounted chargers for smartphones and tablets. This series provides protection from catastrophic failures and safety hazard when experiencing direct shorting on an AC plug.



Dimensions(mm)



Time-Current Characteristics



Features

- Enhanced interrupting rating
- Higher surge withstand capability
- Compact 3X8.4mm footprint saves board space
- Epoxy Coating

Applications

- Smartphone and tablet wall-mount chargers
- Power Supplies for consumer electronics


Electrical Characteristics

| Testing Current | Blow Time | |
|-----------------|-----------|----------|
| | Minimum | Maximum |
| 150% | 1 hrs | N/A |
| 210% | N/A | 1800 sec |
| 275% | 10 ms | 3 sec |
| 400% | 3ms | 300 ms |
| 1000% | N/A | 20ms |

Electrical Specifications

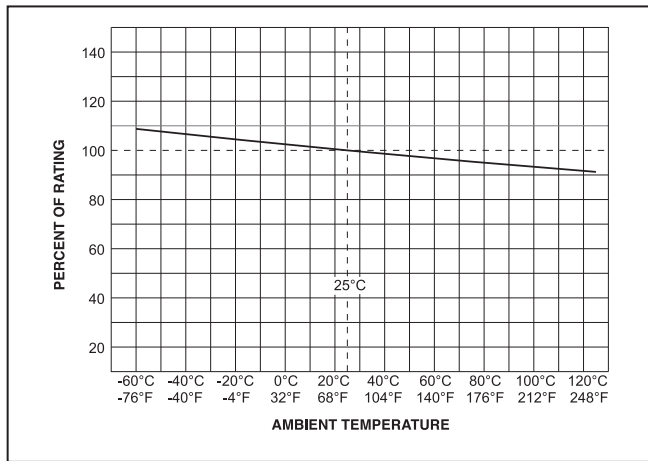
| Catalog Number 料號 | Ampere Rated In 額定電流 | Voltage Rating (VAC) 額定電壓 | Normal Resistance Cold(Ohm) 標準冷阻值 | Normal Melting I ² T(A ² sec) 標準熔斷值 |
|----------------------|-------------------------|------------------------------|--------------------------------------|--|
| MFH1.25 | 1.25A | 250V | 0.065 | 2.70 |
| MFH1.6 | 1.6A | | 0.040 | 3.40 |
| MFH2 | 2A | | 0.031 | 4.90 |

Approvals

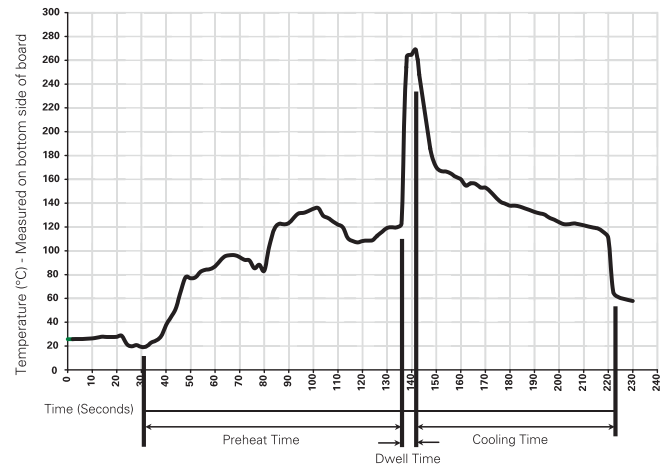
| Safety Agency | Amp range/Volt @ I.R.ability |
|--|------------------------------|
|  | 1.25A-2A/250AC@200A |

Axial Lead & Cartridge Fuse 3X8.4mm>Ceramic HBC>MFH Series

Temperature Derating Curve



Soldering Parameters-Wave Soldering



Recommended Process Parameters

| Wave Parameter | Lead-Free Recommendation |
|--|-----------------------------------|
| Preheat: (Depends on Flux Activation Temperature) | (Typical Industry Recommendation) |
| Temperature Minimum: | 100°C |
| Temperature Maximum: | 150°C |
| Preheat Time: | 60-180 seconds |
| Solder Pot Temperature: | 260°C Maximum |
| Solder Dwell Time: | 2-5 seconds |

Recommended Hand-Solder Parameters:

Solder Iron Temperature: 350°C +/- 5°C

Heating Time: 5 seconds max.

Note: These devices are not recommended for IR or Convection Reflow process.

Operation Temperature

-40°C to 125°C

Physical Specification Materials

Ceramic Body

Nickel Plated Brass Caps

Lead Wire: Tin plated Copper, Diameter 0.65mm

Packaging

On Tape: MFH-2000pcs in box

MFH-20000pcs outer box