

Fast-Acting SMD Fuse 1206

multicomp **PRO**

RoHS
Compliant



Agency Approvals

| Agency | Ampere Rating |
|--|---------------|
| Recognized Component for Canada and US | 10A to 20A |

Interrupting Rating

10A to 20A: 100 amperes at 63V DC
250 amperes at 24V DC

Application

Widely used in all kinds of battery packs

Specifications

Material

Body : Ceramic
Termination : Silver(Ag) / Nickel(Ni) / Tin(Sn)
Fuse Element : Silver(Ag)
Operating Temperature : -55°C to +125°C

Electrical Characteristics

| Ampere Rating | Opening Time | |
|---------------|--------------|--------|
| | 1 In | 3.5 In |
| | Min. | Max. |
| 10A to 20A | 4 hr | 5 sec |

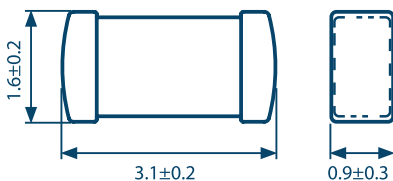
| Part Number | Marking | Ampere Rating (A) | Voltage Rating (V) | Nominal Cold Resistance (Ω) | Nominal Melting I^2t ($A^2 \text{ sec.}$) |
|-------------|-----------------|-------------------|--------------------|--------------------------------------|---|
| MP005483 | $\overline{10}$ | 10 | 24 | 0.0054 | 14 |
| MP005484 | $\overline{12}$ | 12 | | 0.004 | 19 |
| MP005485 | $\overline{15}$ | 15 | | 0.0033 | 33 |
| MP005486 | $\overline{20}$ | 20 | | 0.002 | 56 |

*Measured at $\leq 10\%$ of rated current at 25°C

*Melting I^2t at 1000% of current rating

*Surface Mount Fuse is a small device designed for secondary protection of circuits used in space constrained applications.

Mechanical Dimensions



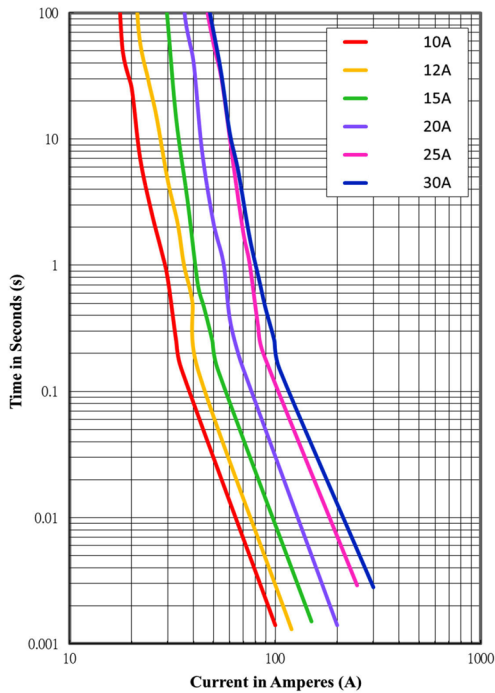
Dimensions : Millimetres

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

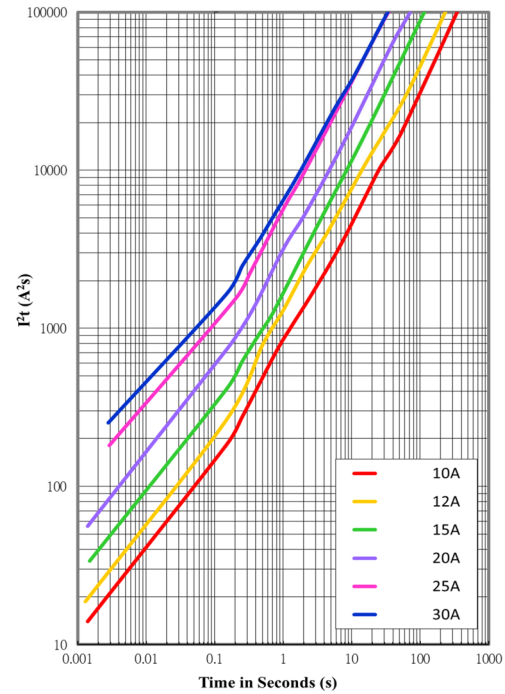
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Fast-Acting SMD Fuse 1206

Clear Time Curve



Average I²t VS. t Curve



Part Number Table

| Description | Part Number |
|--------------------------------------|-------------|
| Fast-Acting SMD Fuse, 10A, 24V, 1206 | MP005483 |
| Fast-Acting SMD Fuse, 12A, 24V, 1206 | MP005484 |
| Fast-Acting SMD Fuse, 15A, 24V, 1206 | MP005485 |
| Fast-Acting SMD Fuse, 20A, 24V, 1206 | MP005486 |

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