

# Fast-Acting SMD Fuse

## 0603

**multicomp**PRO



### Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	1A to 5A

**RoHS**  
**Compliant**

### Interrupting Rating

35 Amperes at 63V DC

60 Amperes at 32V DC

### Application

Ideal for use in a wide range of home appliance panels

### Specifications

#### Material

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

### Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	2 In	3 In	10 In
	Min.	Max.	Max.	Max.
1A to 5A	4 hr	5 sec.	0.5 sec	0.02 sec

Part Number	Marking	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance ( $\Omega$ )	Nominal Melting $I^2t$ ( $A^2 \text{ sec.}$ )
MP005457	H	1	32	0.3	0.041
MP005458	N	2		0.066	0.098
MP005459	P	3		0.027	0.187
MP005460	T	5		0.012	0.57

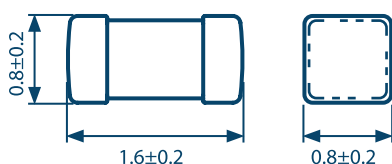
\*Measured at  $\leq 10\%$  of rated current at 25° C

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

\*Application testing is strongly recommended.

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

### Mechanical Dimensions



Dimensions : Millimetres

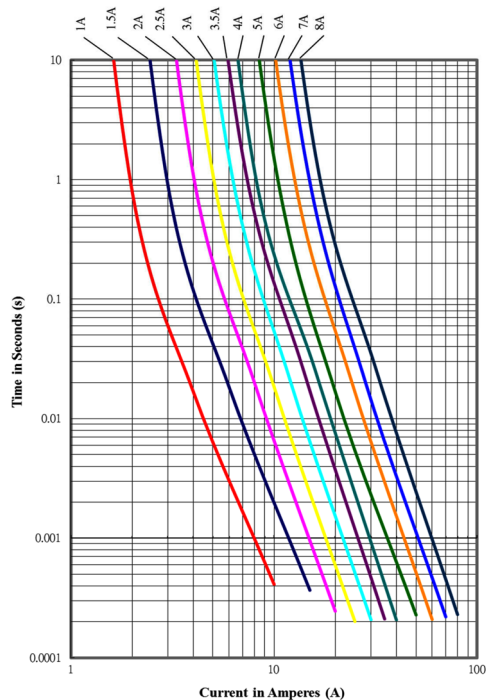
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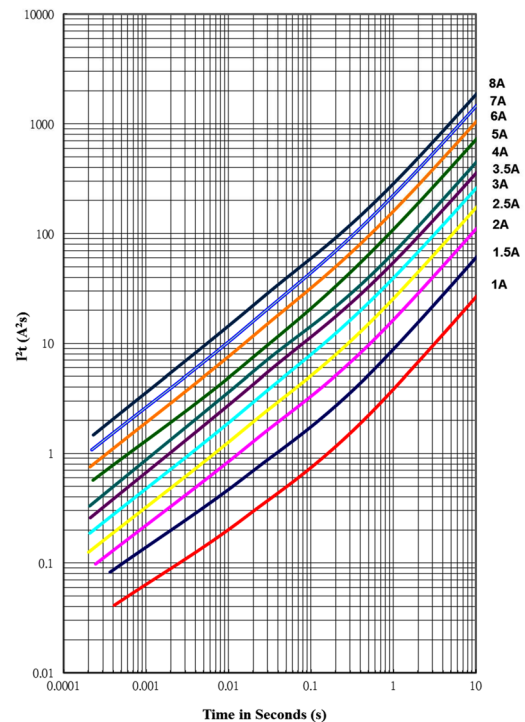
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**Clear Time Curve**



**Average  $I^2t$  Vs. t Curve**



**Part Number Table**

Description	Part Number
Fast-Acting SMD Fuse, 1A, 32V, 0603	MP005457
Fast-Acting SMD Fuse, 2A, 32V, 0603	MP005458
Fast-Acting SMD Fuse, 3A, 32V, 0603	MP005459
Fast-Acting SMD Fuse, 5A, 32V, 0603	MP005460

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