

# Time-Lag SMD Fuse

## 0603

**multicomp**PRO

**RoHS  
Compliant**



### Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	3A to 5A

### Interrupting Rating

35 Amperes at 63V DC  
60 Amperes at 32V DC

### Application

Specially customized for use in game consoles and controllers

### 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.	Min.	Max.	Max.	Max.
3A to 5A	4 hr	1 sec	120 sec.	3 sec	0.05 sec

Part Number	Marking	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance ( $\Omega$ )	Nominal Melting $I^2t$ ( $A^2 \text{ sec.}$ )
MP005461	P	3	32	0.026	1.17
MP005462	S	4		0.015	2.21
MP005463	I	5		0.01	2.5

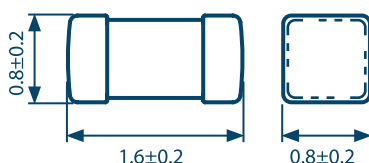
\*Measured at  $\leq 10\%$  of rated current at 25° C

\*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 Diagram



Dimensions : Millimetres

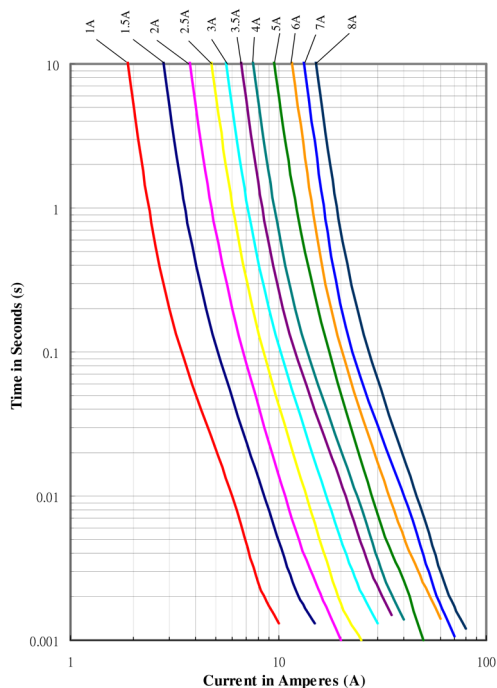
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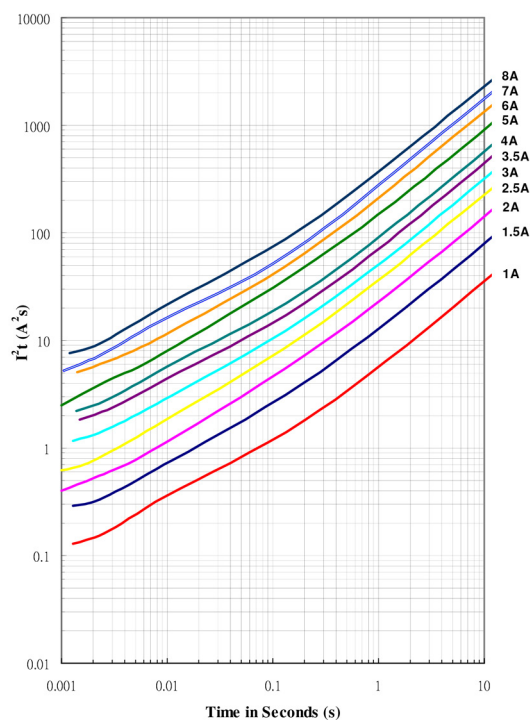
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**Clear Time Curve**



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



**Part Number Table**

Description	Part Number
Time-Lag SMD Fuse, 3A, 32V, 0603	MP005461
Time-Lag SMD Fuse, 4A, 32V, 0603	MP005462
Time-Lag SMD Fuse, 5A, 32V, 0603	MP005463

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