

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

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 (Ω)	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

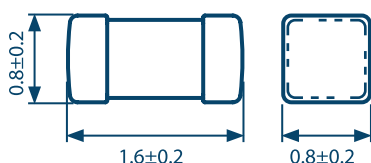
*Measured at $\leq 10\%$ of rated current at 25° C

*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 Dimensions



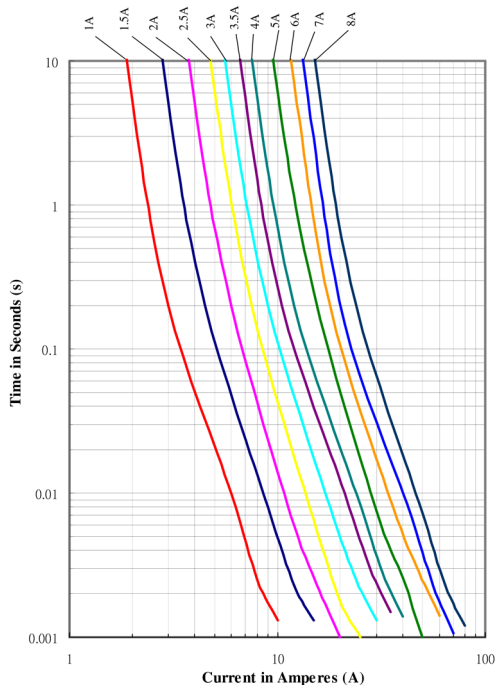
Dimensions : Millimetres

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

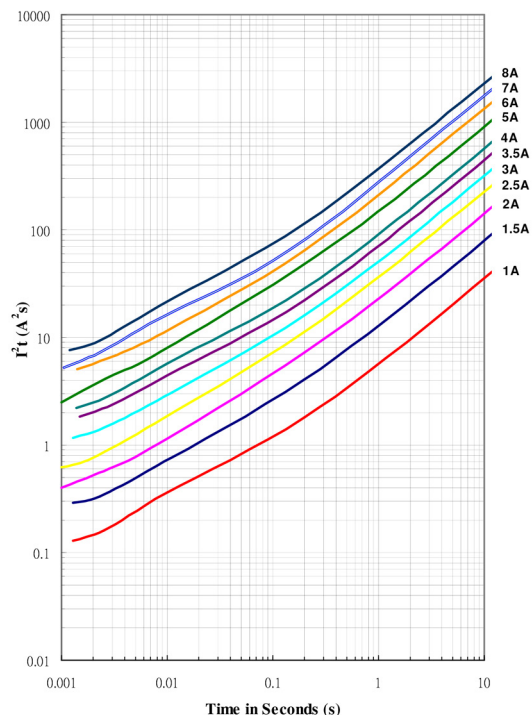
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Time-Lag SMD Fuse 0603

Clear Time Curve



Average I²t 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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