

Fast-Acting SMD Fuse 0603

multicomp PRO

**RoHS
Compliant**



Agency Approvals

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

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

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 (Ω)	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

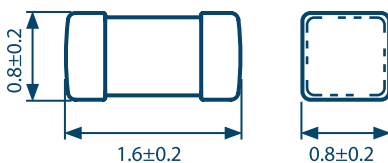
*Measured at $\leq 10\%$ of rated current at 25° C

*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

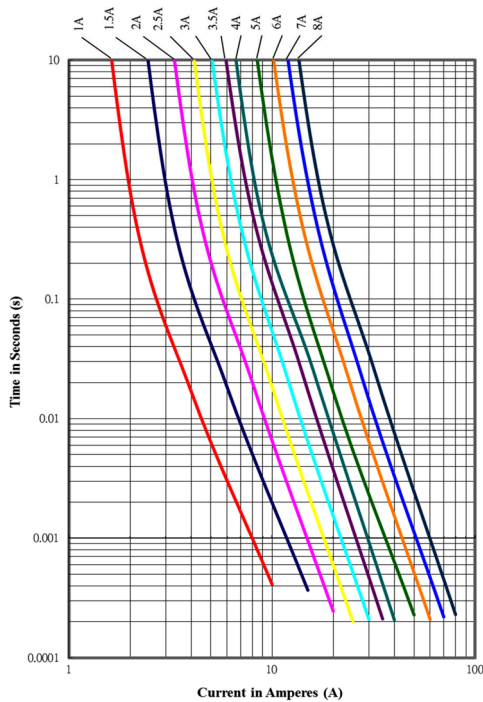
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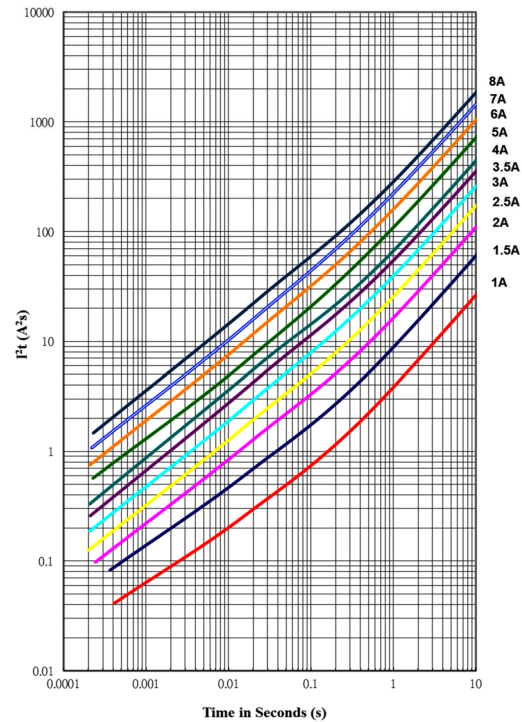
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Clear Time Curve



Average I²t 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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