

# Fast-Acting SMD Fuse 1206

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**RoHS  
Compliant**



## Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	1A to 20A

## Interrupting Rating

1A to 8A : 100 amperes at 63V DC  
50 amperes at 125V DC  
10A to 20A : 150 amperes at 24V DC

## Application

Used in wireless chargers

## Specifications

### UL Approved

Body Material : Ceramic  
Termination Material : 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	2.5 In
	Min.	Max.
1A to 20A	4 hr	5 sec

Part Number	Marking	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance ( $\Omega$ )	Nominal Melting $I^2t$ ( $A^2 \text{ sec.}$ )
MP005464	H	1	63	0.25	0.09
MP005465	K	1.5		0.11	0.113
MP005466	N	2		0.065	0.16
MP005467	P	3		0.026	0.225
MP005468	S	4A		0.015	0.32
MP005469	T	5A		0.01	0.75
MP005470	U	6A		0.009	0.9
MP005471	V	7A		0.008	1.47
MP005472	10	10	24	0.006	3
MP005473	12	12		0.005	4.32
MP005474	15	15		0.004	6.75
MP005475	20	20		0.003	16

\*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.

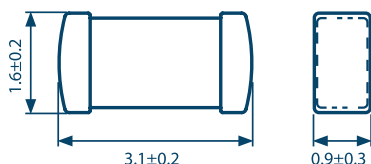
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# Fast-Acting SMD Fuse 1206

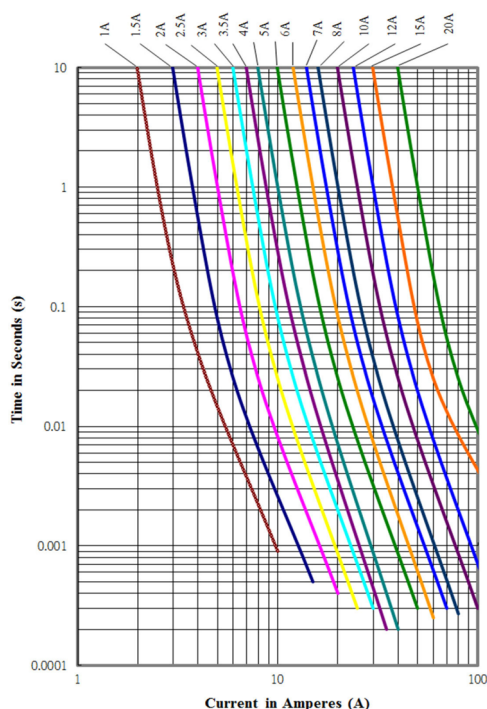
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## Mechanical Diagram

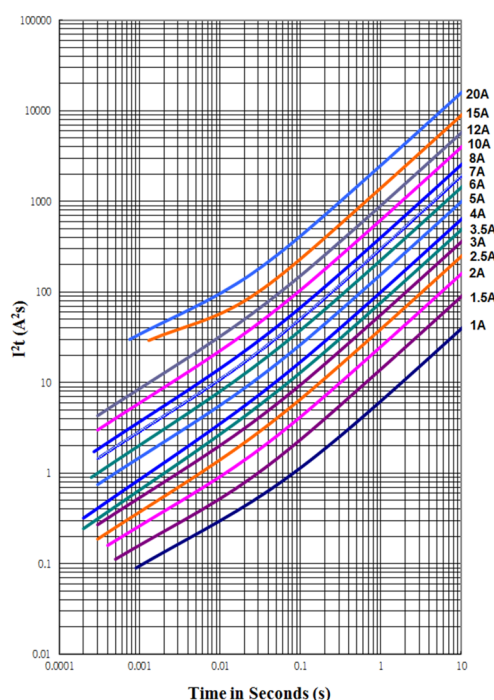


Dimensions : Millimetres

## Clear Time Curve



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



## Part Number Table

Description	Part Number
Fast-Acting SMD Fuse, 1A, 63V, 1206	MP005464
Fast-Acting SMD Fuse, 1.5A, 63V, 1206	MP005465
Fast-Acting SMD Fuse, 2A, 63V, 1206	MP005466
Fast-Acting SMD Fuse, 3A, 63V, 1206	MP005467
Fast-Acting SMD Fuse, 4A, 63V, 1206	MP005468
Fast-Acting SMD Fuse, 5A, 63V, 1206	MP005469

Description	Part Number
Fast-Acting SMD Fuse, 6A, 63V, 1206	MP005470
Fast-Acting SMD Fuse, 7A, 63V, 1206	MP005471
Fast-Acting SMD Fuse, 10A, 24V, 1206	MP005472
Fast-Acting SMD Fuse, 12A, 24V, 1206	MP005473
Fast-Acting SMD Fuse, 15A, 24V, 1206	MP005474
Fast-Acting SMD Fuse, 20A, 24V, 1206	MP005475

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