

Together We Make It Safe!



Thin Film Surface Mount Fuse





Thin Film Surface Mount Fuse TF112

- 0603
- Slow Blow



HF

Features

- Lead free and RoHS compliant, Halogen free
- Copper thin film on PCB based FR4 substrate
- Tin termination over Nickel plating on Copper

Applications

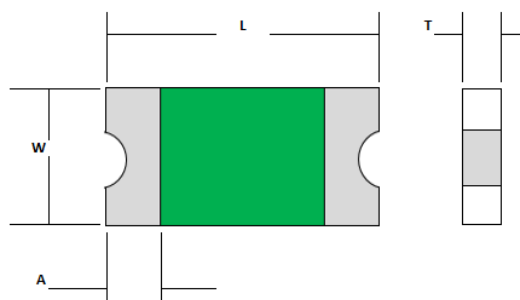
- Cell Phones, Tablets, and Laptops
- Portable Electronic Devices
- Hard Disk Drivers
- Toys
- Digital Cameras
- Memory Cards
- Bluetooth Earphones

Fuse Opening Time

% of Current Rating	Opening Time at 25°C
100%	> 4 hours
200%	> 4s, < 60 s
300%	> 0.0002s, < 0.02 s

Fuse Dimensions

Dimension	mm	Inch
Thickness (T)	0.30 ± 0.13	0.012 ± 0.004
Length (L)	1.60 ± 0.10	0.063 ± 0.004
Width (W)	0.81 ± 0.10	0.032 ± 0.004
Terminal Width (A)	0.36 ± 0.10	0.014 ± 0.004



Thin Film Surface Mount Fuse TF112

0603 Slow Blow

Product Identification

TF112 S 0603 A1000

(1) (2) (3) (4)

(1) Product Code (2) Slow Blow (3) Product Size (4) Current Rating Code

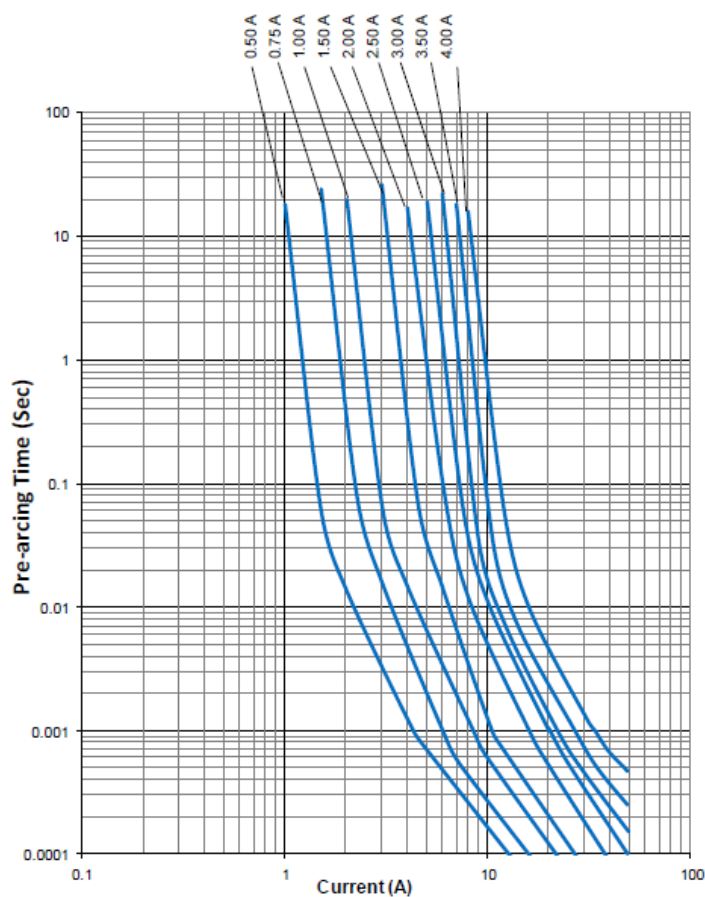
Fuse Ratings and Properties

Part Number	Marking	Current Rating (A)	Voltage Rating (V, DC)	Interrupt Rating	Nominal Cold Resistance (Ω)	Nominal I^2t (A ² s)
TF112S0603A0500	F	0.5	65	50A@35VDC/AC 13A@65VDC	0.152	0.020
TF112S0603A0750	I	0.75	65	50A@35VDC/AC 13A@65VDC	0.081	0.037
TF112S0603A1000	J	1	65	50A@35VDC/AC 13A@65VDC	0.049	0.054
TF112S0603A1500	M	1.5	65	50A@35VDC/AC 13A@65VDC	0.027	0.120
TF112S0603A2000	U	2	35	35A@35VDC/AC 50A@24VDC/AC	0.019	0.323
TF112S0603A2500	W	2.5	35	35A@35VDC/AC 50A@24VDC/AC	0.016	0.418
TF112S0603A3000	X	3	35	35A@35VDC/AC 50A@24VDC/AC	0.014	0.626
TF112S0603A3500	Y	3.5	35	35A@35VDC/AC 50A@24VDC/AC	0.012	0.837
TF112S0603A4000	Z	4	35	35A@35VDC/AC 50A@24VDC/AC	0.010	1.245

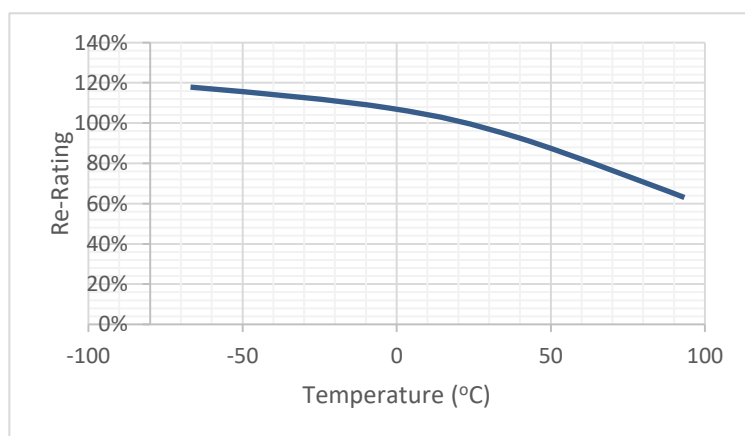
Thin Film Surface Mount Fuse TF112

0603 Slow Blow

Time vs. Current



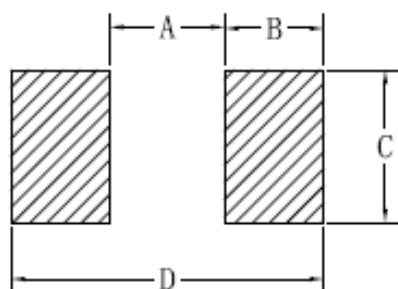
Temperature Re-Rating



Thin Film Surface Mount Fuse TF112

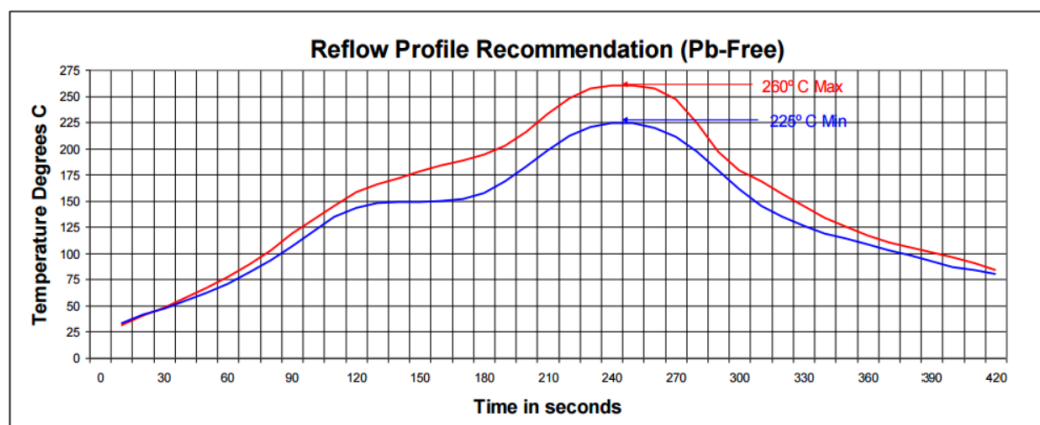
0603 Slow Blow

Pad Layout Recommended



Dimension	A	B	C	D
mm	1.02	0.76	1.09	2.54
Inch	0.040	0.030	0.043	0.100

Pb-Free Reflow Recommendation



Packaging

8mm Tape and Reel, Quantity 5000 pieces per reel, Packaging Specification EIA-481.