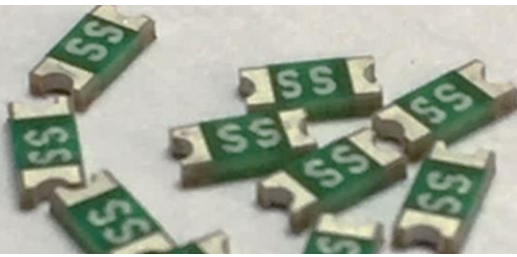


Together We Make It Safe!



Thin Film Surface Mount Fuse





Thin Film Surface Mount Fuse TF102

- 1206
- 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

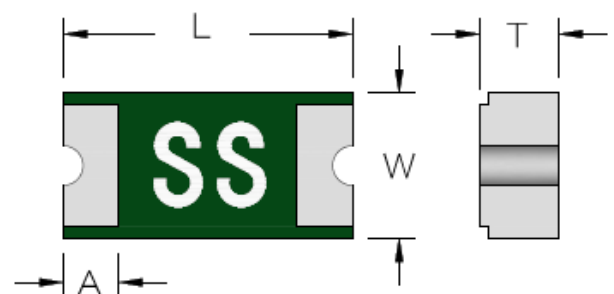
- Cell Phones, Tablets, and Laptops
- Portable Electronic Devices
- Toys
- Digital Cameras
- Memory Cards
- Bluetooth Earphones

Fuse Opening Time

% of Current Rating	Opening Time at 25°C
100%	> 4 hours
200%	> 1 second < 120 seconds
300%	> 0.05 second < 1.5 seconds
800%	> 0.0015 second < 0.05 second

Fuse Dimensions

Dimension	mm	Inch
Thickness (T)	0.64 ± 0.13	0.025 ± 0.004
Length (L)	3.18 ± 0.10	0.126 ± 0.004
Width (W)	1.52 ± 0.10	0.060 ± 0.004
Terminal Width (A)	0.56 ± 0.10	0.022 ± 0.004



Thin Film Surface Mount Fuse TF102

1206 Slow Blow

Product Identification

TF102 S 1206 A1000

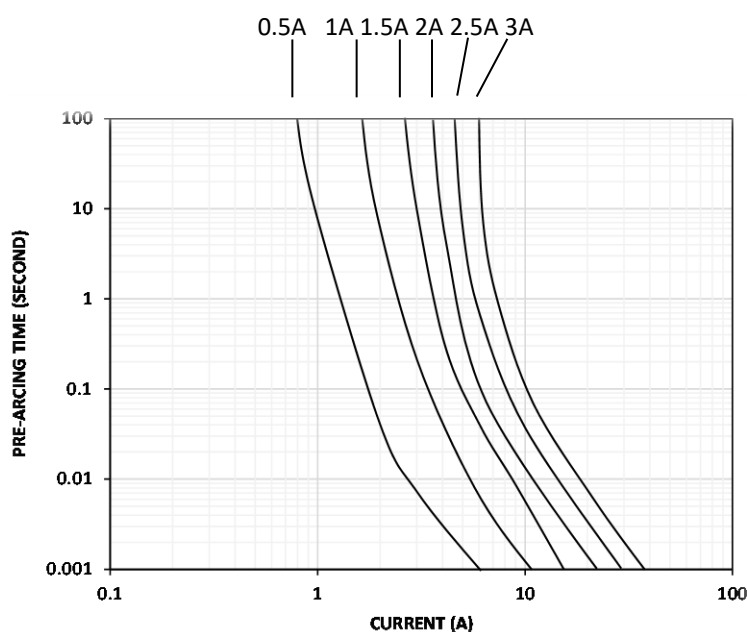
(1) (2) (3) (4)

(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, AC/DC)	Interrupt Rating (AC/DC)	Nominal Cold Resistance (Ω)	Nominal I^2t (A^2s)
TF102S1206A0500	SE	0.5	63	50A @ 63V	0.258	0.042
TF102S1206A1000	SH	1	63	50A @ 63V	0.069	0.131
TF102S1206A1500	SL	1.5	63	50A @ 63V	0.040	0.297
TF102S1206A2000	SO	2	63	35A @63VAC 50A @ 63VDC	0.031	0.540
TF102S1206A2500	SP	2.5	63	35A @63VAC 50A @ 63VDC	0.023	1.12
TF102S1206A3000	SS	3	32	50A @ 32VAC/DC	0.019	1.32

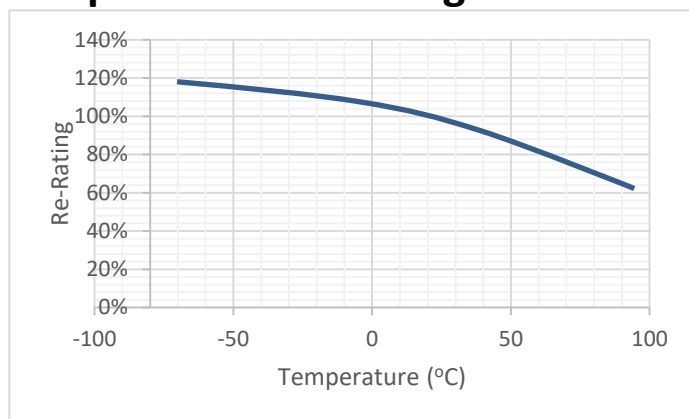
Time vs. Current



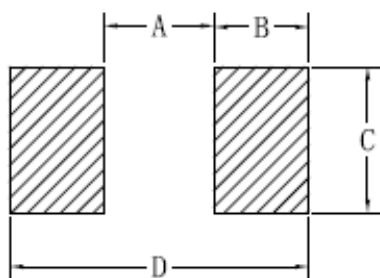
Thin Film Surface Mount Fuse TF102

1206 Slow Blow

Temperature Re-Rating

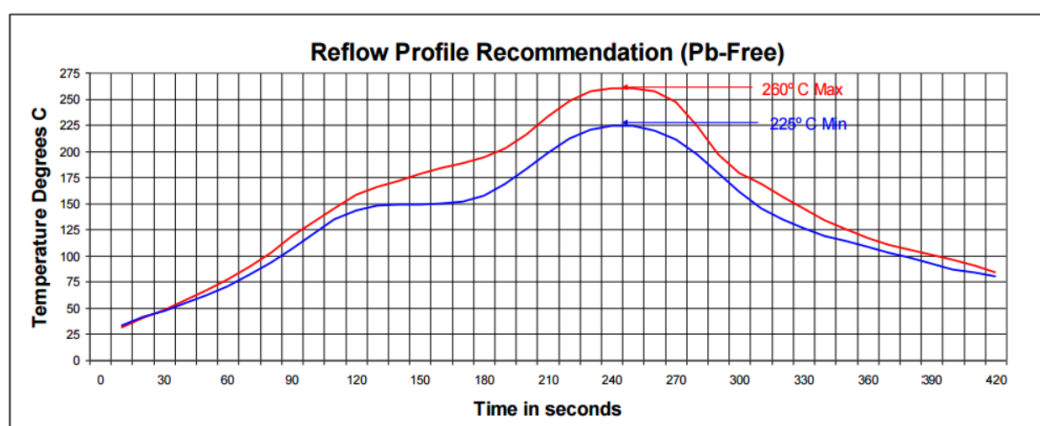


Pad Layout Recommended



Dimension	A	B	C	D
mm	1.52	1.14	2.03	3.81
Inch	0.060	0.045	0.080	0.150

Pb-Free Reflow Recommendation



Packaging

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