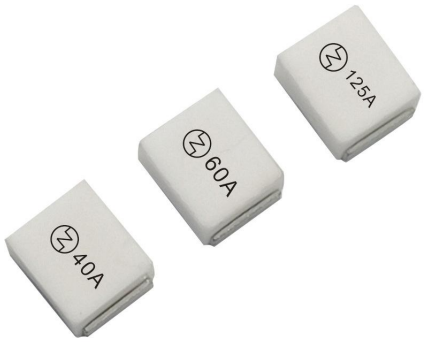
REOMAX®
REOMAX ELECTRONICS TECHNOLOGY Co.,LTD

8810T

Surface Mount Fuses 8810T 7.3X5.8X4.2 (mm)

RoHS Compliance REACH Compliance Halogen Free



Description

REOMAX The8810 high Current Fuse is designed for the purpose of external short circuit protection of the lithium ion battery of medium sizes, such as a power tool and an electric assistant bicycle.Though it was a surface mount type, it was small and realized high current rating, because a fuse element and a terminal adopt the structure of one.

% rated current	Opening Time Min / Max (s)
	20A~125A
100%	>4h
200%	<120S

Agency Approvals		
Agency	Ampere Range	Agency File Number
cULus	20A~125A	E340427

Features

- Small size with high current rating for short circuit protection
- Ceramic body with Ceramic base filler
- Suitable for automatic mounting
- Surface mount type and small size of 7.3x5.8x4.2(mm)
- RoHS and Lead Free material

Applications

- Storage system power
- Cooling fan system for PC server / PC
- Voltage regulator module
- Base station power supply
- Voltage regulator module for PC server / PC
- High-end server/Blade server
- Battery management system

Electrical Specifications

Part Number	Ampere Rating	Voltage Rating	Breaking Capacity	Typical Cold DCR*(mΩ)	Melting I²t @10 In [A²s]	Agency Approvals cULus
8810T.40	40A	DC125V DC110V DC100V DC85V DC 75V DC 48V DC 32V	1KA	1.04	384	●
8810T.50	50A			0.91	625	●
8810T.60	60A			0.84	1548	●
8810T.80	80A			0.61	3712	●
8810T.100	100A			0.45	6800	●
8810T.125	125A			0.40	9300	●

Ditangling Industrial Park Datang Village
Dalingshan Town, Dongguan, Guangdong
523800 CHINA

contact
E-mail: xiong.luo@reomaxfuse.com
http://www.reomaxfuse.com

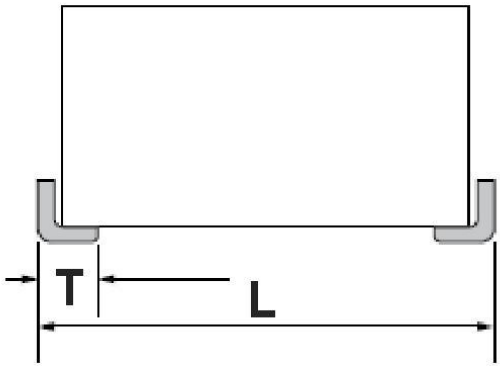
Specifications are subject to change without notice.
Revised: 04/10/2023

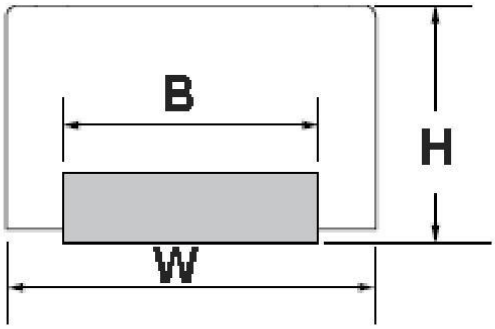
REOMAX ELECTRONICS TECHNOLOGY Co.,LTD

8810T

Surface Mount Fuses 8810T 7.3X5.8X4.2 (mm)

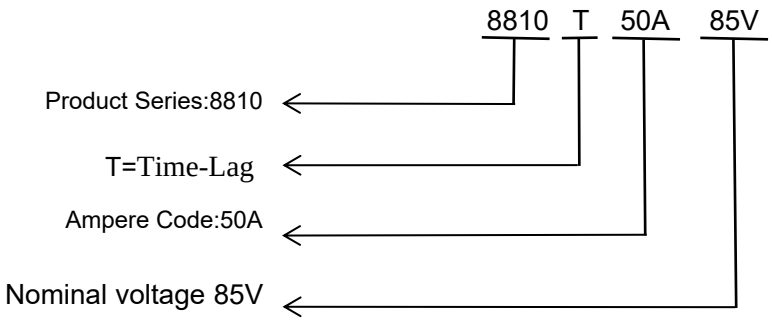
Dimensions: mm



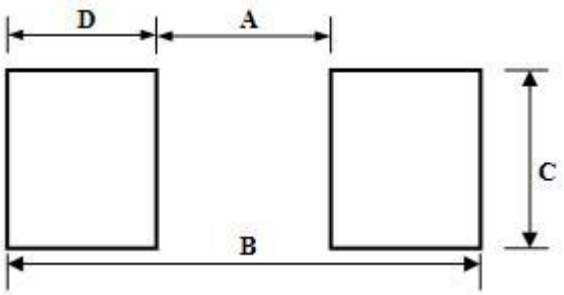


Models	T(mm)	L(mm)	B(mm)	W(mm)	H(mm)
8810T	1.00±0.3	7.3±0.5	4.00±0.3	5.80±0.3	4.2±0.3

Ordering Information:



Recommended layout



Models	8810T
A(mm)	4.40±0.3
B(mm)	9.80±0.3
C(mm)	5.80±0.30
D(mm)	2.70±0.30

Ditangling Industrial Park Datang Village Dalingshan Town, Dongguan, Guangdong 523800 CHINA

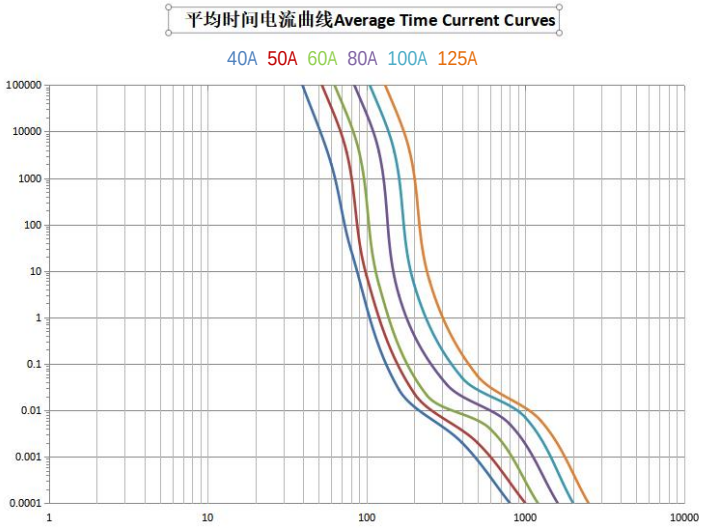
E-mail: xiong.luo@reomaxfuse.com
http://www.reomaxfuse.com

Specifications are subject to change without notice.
Revised: 04/10/2023

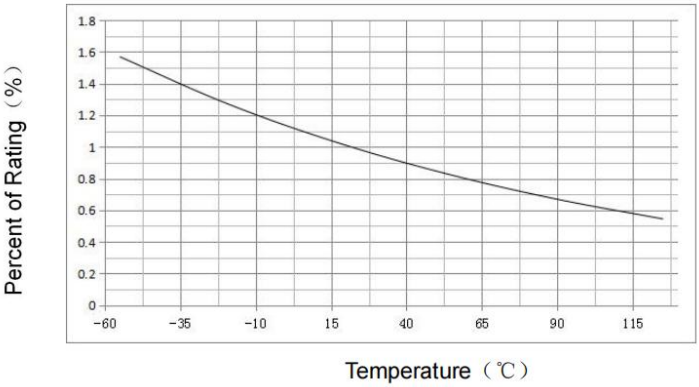
Materials：

Serial number	Part Name	Material
1	Body	Ceramic
2	Fuse element	Tin Plated Copper

Average Time Current Curves：



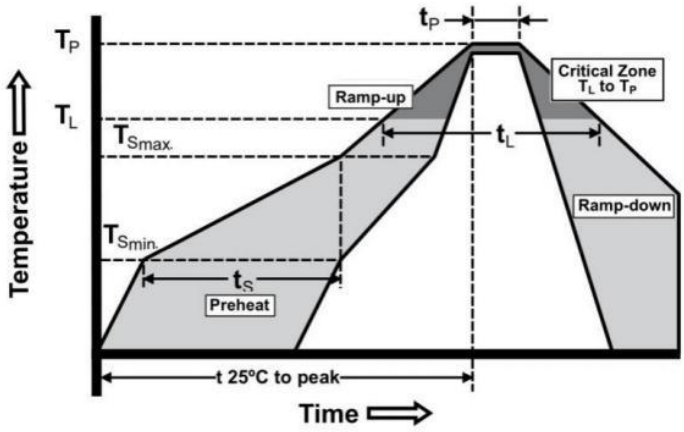
Environmental Characteristic



Recommended Soldering Parameters

Infrared Reflow:

- Temperature: 260℃
- Time: 20sec Max.
- Recommend Reflow profile



Profile Feature	Pb-Free Assembly
Average Ramp-up Rate(Ts_{max} to Tp)	3℃/sec Max.
Preheat Temperature Min.(Ts_{min}) Temperature Max.(Ts_{max}) Time(Ts_{min} to Ts_{max})	 150℃ 200℃ 60sec~120sec
Peak Temperature(Tp)	260℃
Time within 5℃ of actual Peak Temperature(t_p)	20sec
Temperature (TL)	217℃
Melting tin time(t_L)	60sec~150sec
Ramp-down Rate	6℃/sec Max.
Time 25℃ to peak Temperature	8min Max.

Ditangling Industrial Park Datang Village
Dalingshan Town, Dongguan, Guangdong
523800 CHINA

contact
E-mail: xiong.luo@reomaxfuse.com
http://www.reomaxfuse.com

Specifications are subject to change without notice.
Revised: 04/10/2023