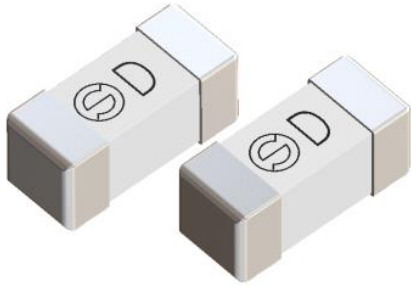


Type 24T

6125 Slow-Blow SMD Fuses



Description

24T Series are the fuses set the industry standard for performance, reliability and quality. The solder-free design provides excellent on-off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.

Features

- Rapid interruption of excessive current
- Compatible with reflow and wave solder
- One time positive disconnect
- Lead Free and Halogen free material

Agency Approvals.

Safety Agency	Agency File Number	Ampere Range Volt@I.R.ABILITY
	E485357	100mA~20A 100A@250V AC 100mA~20A 50A@350V AC 100mA~20A 100A@125V AC/DC
	CQC18012207970	500mA~10A 35A@250V AC 4A~10A 10In@250V AC
	CQC19012215909	1A~2A 35A@350V AC
	JD 60150397	250mA~5A 100A@250V AC
	R 50357215	250mA~10A 100A@250V AC 500mA~10A 50A@350V AC
	SU05050-23001 1A~2.5A SU05050-23002 3.15A~5A	100A@250V AC

Electrical Characteristics for Series

Rating Current	100% of Ampere Rating	200% of Ampere Rating	1000% of Ampere Rating
100mA~20A	4 Hour, Min.	120Sec. Max.	10ms Min. 100ms Max.

Electrical Characteristic Specifications by Item

Part No.	Rated Voltage	Rated Current	Breaking Capacity(A)	Melting Integral 10In min(A ² S)	Alpha Mark	Typical Voltage Drop (mV)	Approvals							
							TUV	PSE	CQC	cURus	KC	TUV 350V	CQC 350V	cURus 350V
24T0250	350VAC 250VAC 125VAC 125VDC	250mA	50A@350V AC 100A@250V AC 100A@125V AC 100A@125V DC	0.0986	A	1400	●	●		●				●
24T0315		315mA		0.1633	C	1300	●	●		●				●
24T0400		400mA		0.3200	G	1300	●	●		●				●
24T0500		500mA		0.4175	D	900	●	●	●	●		●		●
24T0630		630mA		0.8800	F	800	●	●		●				●
24T0700		700mA		1.1520	E	800		●		●				●
24T0800		800mA		1.1520	J	600	●	●		●		●		●
24T1100		1A		1.5150	H	500	●	●	●	●	●	●	●	●
24T1125		1.25A		2.9980	I	400	●	●	●	●	●			●
24T1160		1.6A		3.8000	N	300	●	●	●	●	●			●
24T1200		2A		13.500	O	300	●	●	●	●	●	●	●	●
24T1250		2.5A		16.800	P	300	●	●		●	●			●
24T1300		3A		21.900	R	300				●				●
24T1315		3.15A		28.360	R	300	●	●	●	●	●	●		●
24T1400		4A		30.990	U	300	●	●	●	●	●	●		●
24T1500		5A		54.010	V	300	●	●	●	●	●	●		●
24T1630		6.3A		94.890	W	300	●		●	●		●		●
24T1700		7A		98.100	7	300				●				
24T1800		8A		174.96	Z	220	●			●		●		●
24T2100		10A		290.01	Y	220	●		●	●		●		●
24T2120		12A		216.10	12	200				●				
24T2150		15A		225.00	15	100				●				
24T2160		16A		256.00	16	100				●				
24T2200		20A		400.00	20	100				●				

* DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25 degrees

Type 24T

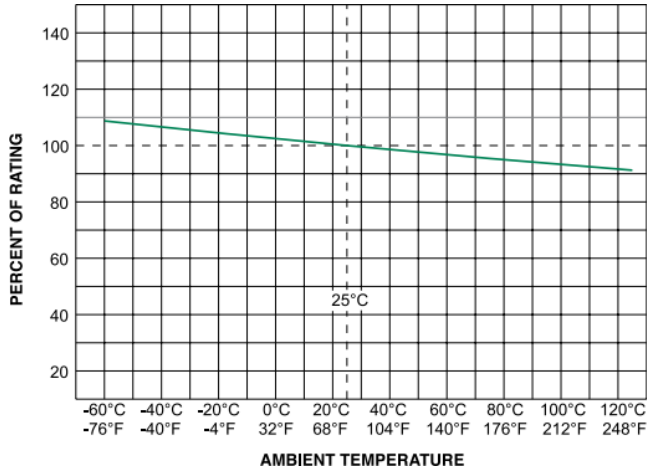
6125 Slow-Blow SMD Fuses



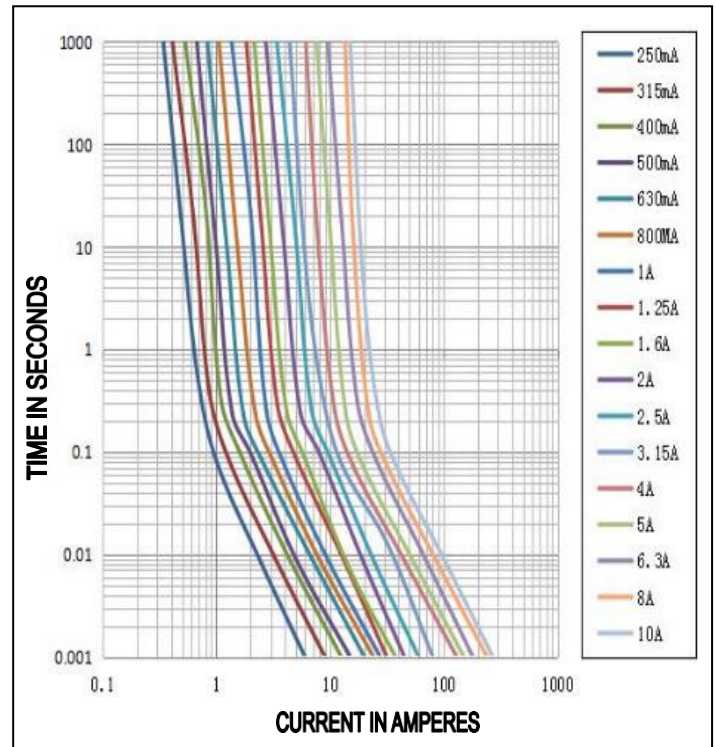
Temperature Re-rating Curve

* Normal ambient temperature: $23 \pm 3^\circ\text{C}$

* Operating temperature: $-55 \sim +125^\circ\text{C}$
with proper correction factor applied

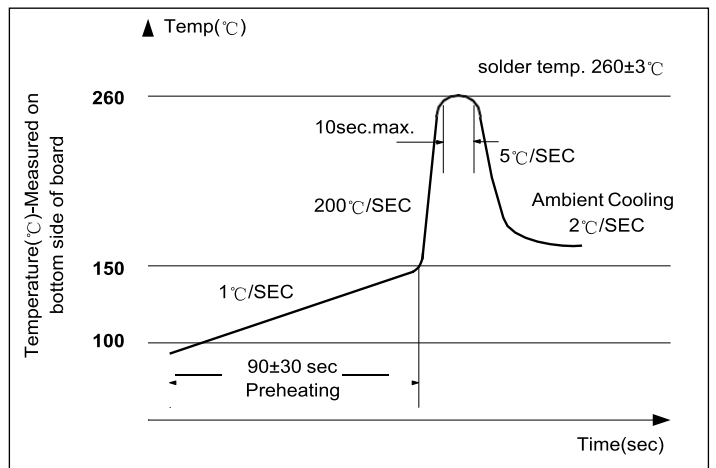


Average Time Current Curves



Soldering Parameters

Reflow Condition		Pb-Free assembly
Pre Heat	-Temperature Min($T_{s(min)}$)	150°C
	-Temperature Max($T_{s(max)}$)	200°C
	-Time (Min to Max)(t_s)	60-180 secs
Average ramp up rate (Liquidus Temp(T_L) to peak)		5°C/second max
$T_{s(max)}$ to T_L Ramp-up rate		5°C/second max
Reflow	-Temperature(T_L)(liquidus)	217°C
	-Temperature(t_L)	60-150 seconds
Time within 5°C of actual peak Temperature(t_p)		20-40 seconds
Ramp-down Rate		5°C/second max
Time 25°C to peak Temperature (T_p)		8 minutes Max.
Do not exceed		260°C



Type 24T

6125 Slow-Blow SMD Fuses

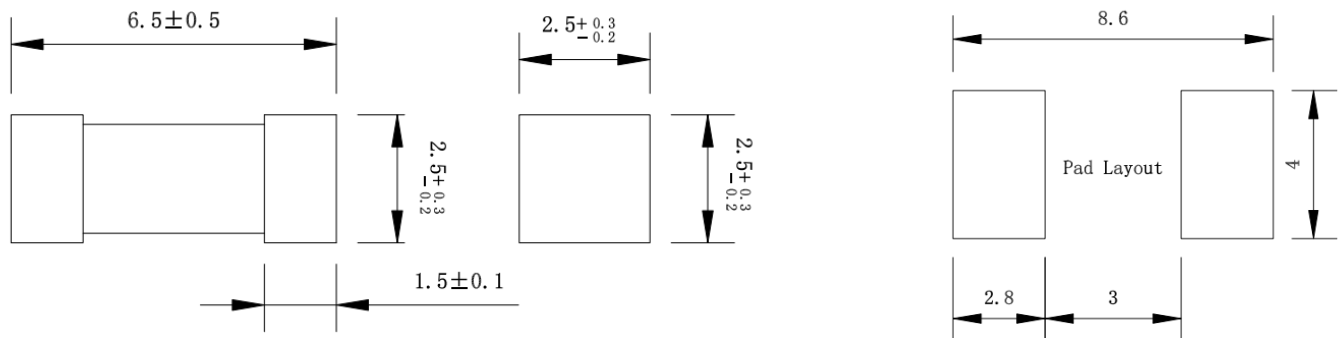


Product Characteristics

Materials	Body: Ceramic Terminations: Silver-plated Caps
Soldering Parameters	260°C ≤ 10 sec. (Wave Soldering) 350°C ≤ 3 sec. (Hand Soldering)
Soldering Peak (Wave Soldering)	260°C ≤ 10 sec. 350°C ≤ 5 sec.

Operating Temperature	-55°C to +125°C (consider de-rating)
Stock Condition	+10°C to +60°C Relative humidity ≤ 75% yearly Average, without dew, maximum Value for 30 days-95%
Vibration Resistance	24 cycles at 15 min. each (60068-6) 10-60Hz at 0.75mm amplitude 60-2000Hz at 10g acceleration

Mechanical Dimensions (Unit:mm)



Part Number System

24T	1200	2	00
Fuse Type	Ampere Rating (10 ¹ x 200mA = 2A)	3:350V 2:250V 1:125Vac/dc	Standards and specifications

Packaging

Packaging Option	Packaging Specification	Quantity
24T	tape-and-reel	1000pcs

--- End of Document ---