

Type 24F

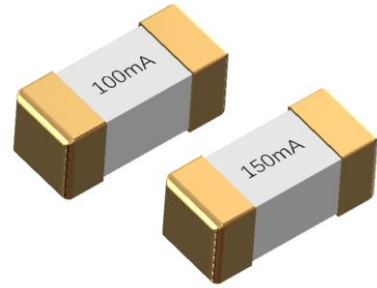
Fast-Acting Ceramic Tube Fuse



Description

A compact 6125 fuse provides a space saving alternative to conventional fuse solutions with high interrupting rating for primary and secondary circuit protection up to 250Vac/dc and 200 mA

- ▲Meets electrical performance specifications for intrinsically safe (EN60079-11) applications
- ▲Fast-acting, high interrupting rating of 50 A at 250 Vac/dc
- ▲Ceramic tube, silver plated brass end cap construction
- ▲RoHS compliant



Electrical Characteristics For Series

Rating Current	100% of Ampere Rating	200% of Ampere Rating
50mA~200mA	4Hour, Min	5Sec. Max

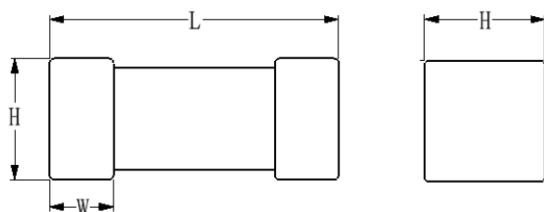
Electrical Characteristic Specifications by Item

Catalog Number	Rated Current	Rated Voltage	Rated Voltage	Breaking Capacity 1	Nominal Melting $I^2T(A^2sec)^3$	Norminal Cold Resistance(ohms) ²	Alpha Mark	Agency Approval
								cURus
24F0050	50mA	250VAC	250VDC	50A	0.0000375	7.32	50mA	●
24F0062	62mA				0.0000288	6.14	63mA	●
24F0080	80mA				0.0002080	4.67	80mA	●
24F0100	100mA				0.0007250	2.13	100mA	●
24F0125	125mA				0.0009375	1.56	125mA	●
24F0160	160mA				0.0014720	1.35	160mA	●
24F0200	200mA				0.0023000	0.73	200mA	●

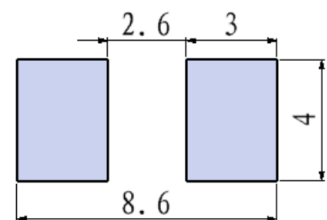
1 AC Interrupting Rating(50A,PF=0.4),DC Interrupting Rating measured at rated voltage,time constant 4 microseconds,battery source.

2 DC Cold Resistance (Measured at <10% of rated current).

Dimensions unit:mm



Pad Layout



L	W	H
6.1 ± 0.2	1.35Ref	2.45 ± 0.25

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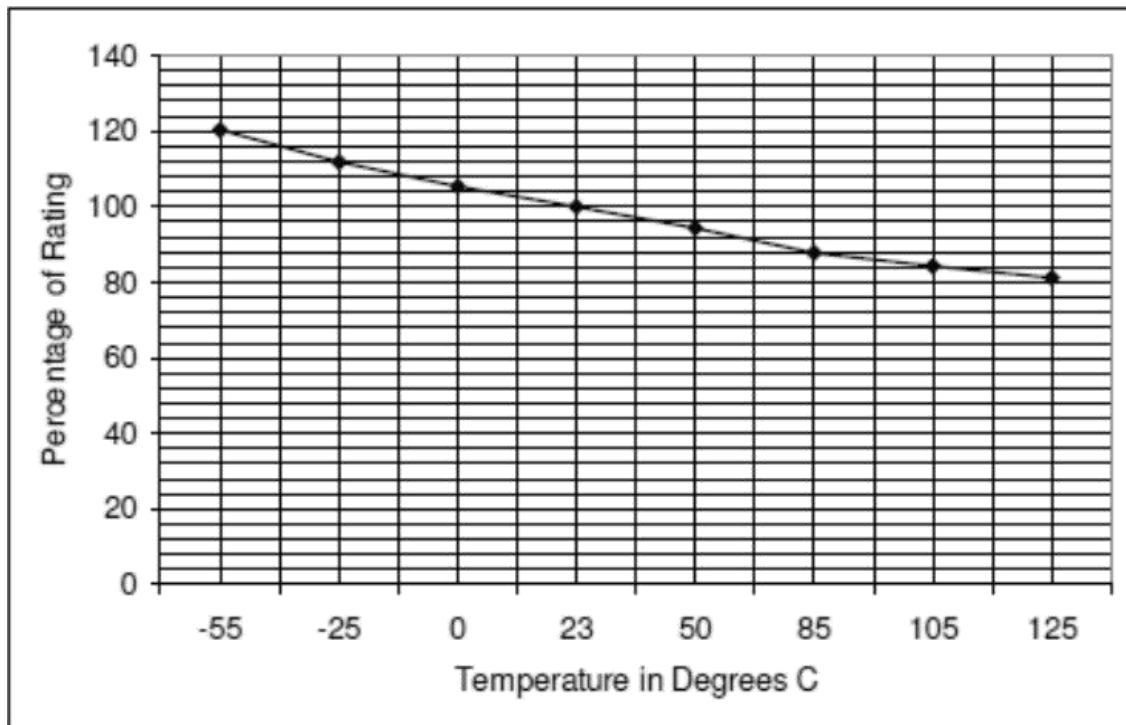
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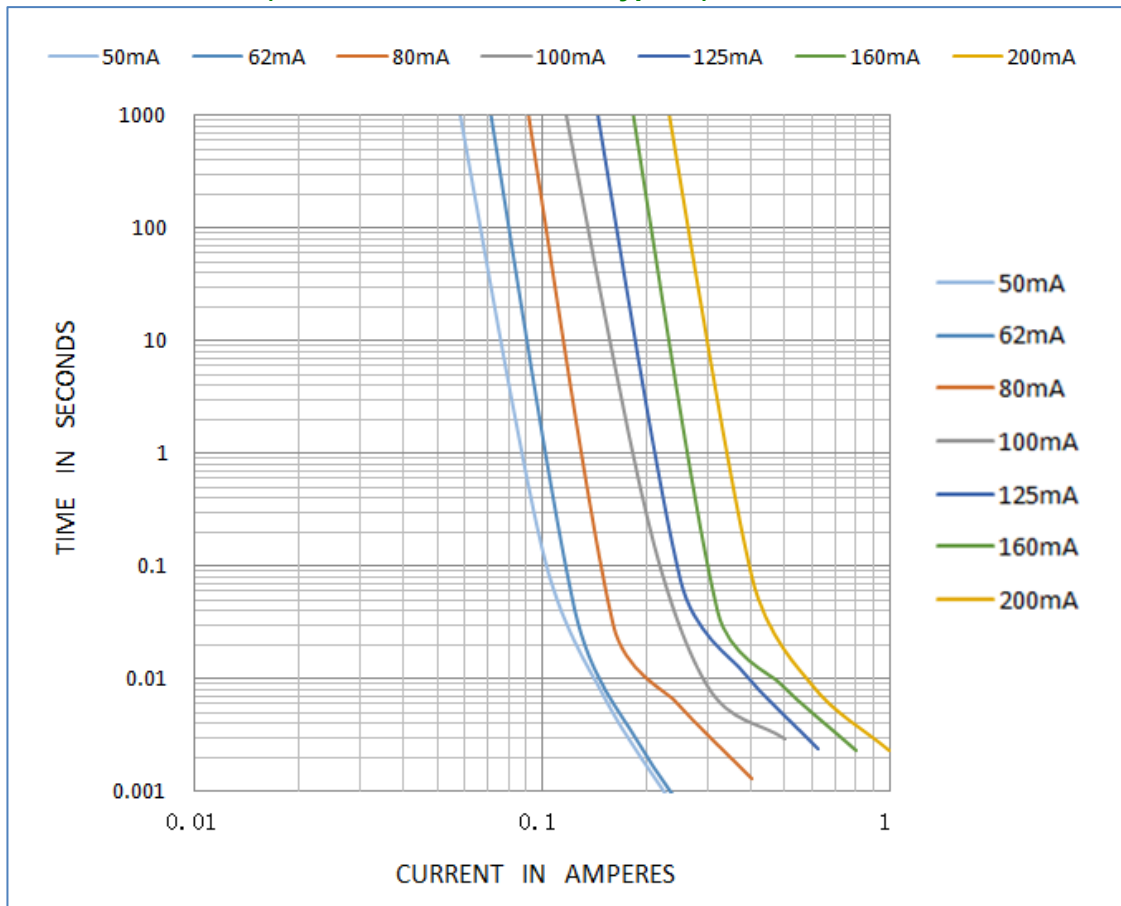
Temperature Re-rating Curve

* Normal ambient temperature: 23+/-3°C

* Operating temperature: -55 ~ 125°C, with proper correction factor applied



Average Time Current Curves(I-T Characteristics 25°C typical)



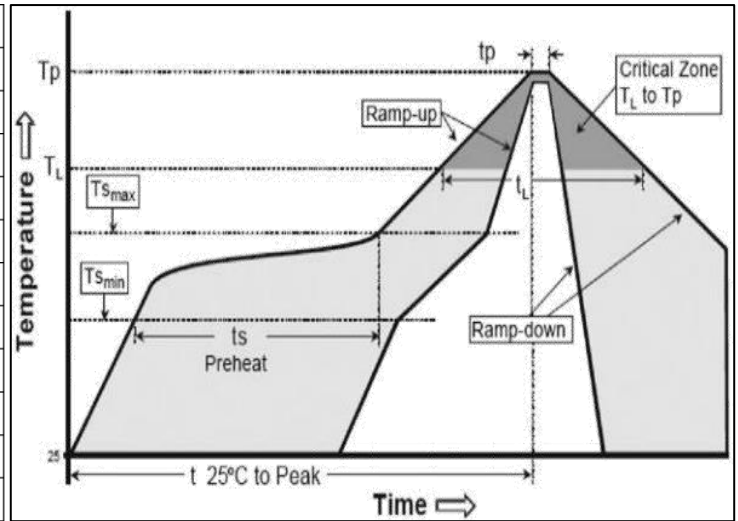
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Solder reflow profile

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
Ts(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



Part Number System

24F	0050	2	00	J
Fuse Type	Ampere Rating($10^0 \times 50mA = 50mA$)	250V	Standards and specifications	Gold plating

Packaging

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