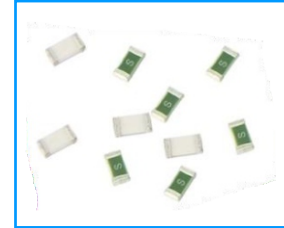




0.25A~8A 63Vdc/32Vdc

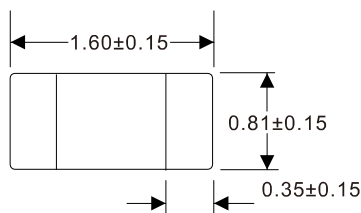
Description

- 1.6x0.81x0.65mm physical size
- Solder-free design
- Designed to UL248-1
- RoHS compliant, Halogen free and Lead-free



Dimensions

(Unit: mm)



Specifications

Part No.	Rated Voltage (Vdc)	Rated Current (A)	Breaking Capacity (A)	Typical Cold Resistance (mOhms)	Typical Voltage Drop (mV)	Typical Pre-Arcing I ² t (A ² Sec)	Marking
06T-0250L	63 32	0.25	50A	3100	1435	0.0012	D
06T-0375L		0.375		1600	1250	0.0028	E
06T-0500L		0.5		1000	750	0.005	F
06T-0750L		0.75		440	550	0.015	G
06T-010L		1		240	310	0.035	B
06T-015L		1.5		125	250	0.08	H
06T-020L		2		68	170	0.16	K
06T-025L		2.5		52	200	0.29	L
06T-030L		3		34	155	0.32	O
06T-035L		3.5		22	130	0.54	R
06T-040L	32	4		20	100	0.95	S
06T-050L		5		13	95	1.8	T
06T-060L		6		8.5	80	2.9	V
06T-070L		7		6.5	80	3.5	X
06T-080L		8		5.3	75	4.8	Z

* 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

* Typical Pre-arcing I²t are measured at 10I_n Current

* For fuse below 1A, the color of glass coating is Blue; for 1A and above, it's Green.

Electrical Characteristics

Rated Current	1.0I _n	2.0I _n	2.5I _n	3.5I _n
250mA~750mA	4.0 hour min	-	-	5.0 sec max
1~5A	4.0 hour min		5.0 sec max	-
6~7A	4.0 hour min	-	-	-
8A	4.0 hour min	-	5.0 sec max	-

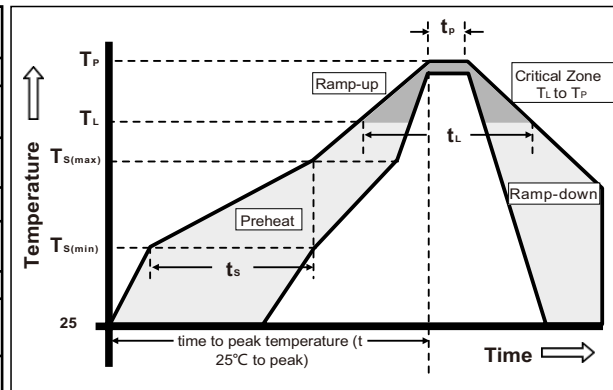


0.25A~8A 63Vdc/32Vdc

Installation Recommendations

1 Wave Soldering Parameters

Reflow Conditon		Pb-free assembly
Pre Heat	- Temperature Min (T_{smin})	150°C
	- Temperature Max (T_{smax})	200°C
	- Time (Min to Max) (t_s)	60 – 120 seconds
Average Ramp-up Rate (Liquidus Temp (T_L) to peak)		3°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
Peak Temperature (T_P)		260+0/-5°C
Time within 5°C of actual peak Temperature (t_p)		30 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature (T_P)		8 minutes max.
Do not exceed		260°C



Solder Pot Temperature: 260°C max Solder

Dwell Time: 10 Seconds max

2 Hand-Solder Parameters

Solder Iron Temperature: 280±5°C Heating Time:

5 Seconds min

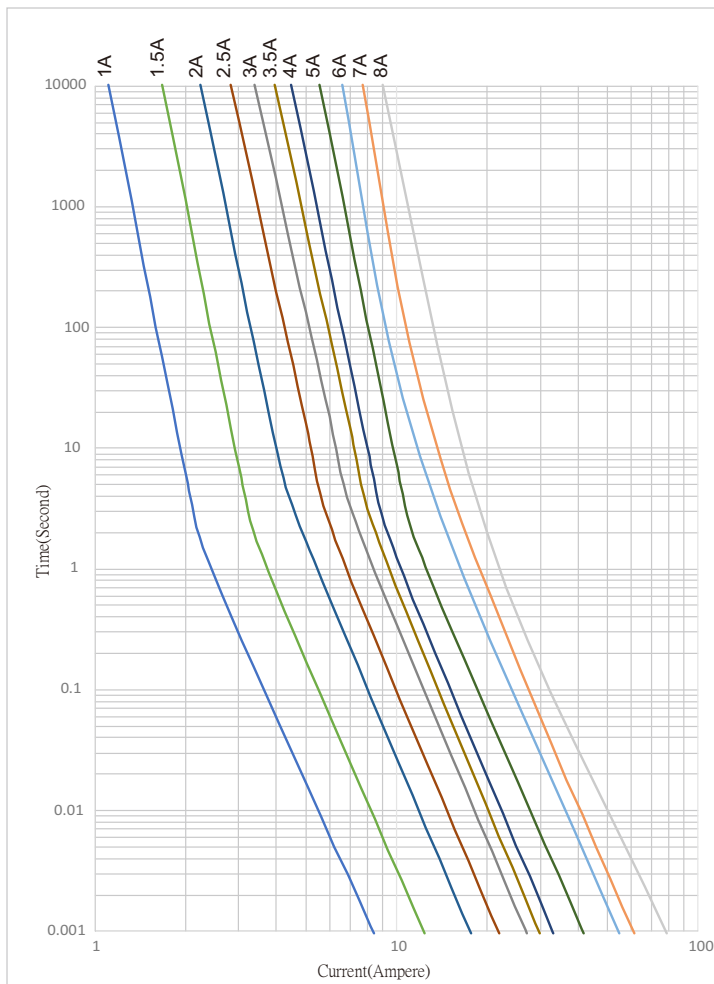
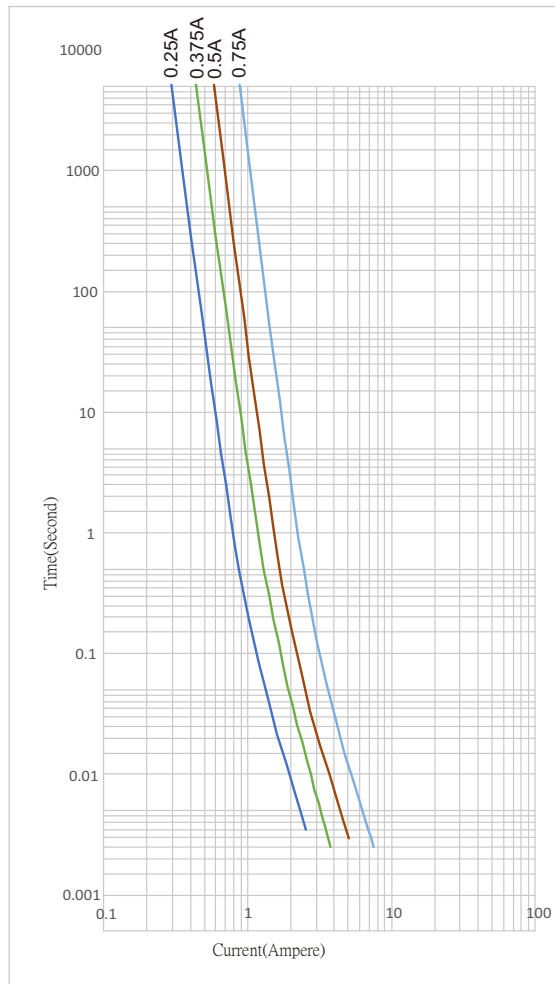
Generally,hand-soldering is not recommended

Product Characteristics

Materials	Body: Ceramic Terminations: Silver over-plated with tin Element: Alloy(Ag,Cu,Zn) Cover Coat:Glass
Operatng Temperature	-55°C to 125°C Consult temperature rerating curve chart.
Thermal Shock	300 cycles -55°C to 125°C
Humidity	MIL-STD-202F, Method 103B,Condition D
Vibraton	Per MIL-STD-202F, Method 201A
Insulaton Resistance (Afer Opening)	Greater than 10,000 ohms
Resistance to Soldering Heat	MIL-STD-202G,Method 210F, Condition D

0.25A~8A 63Vdc/32Vdc

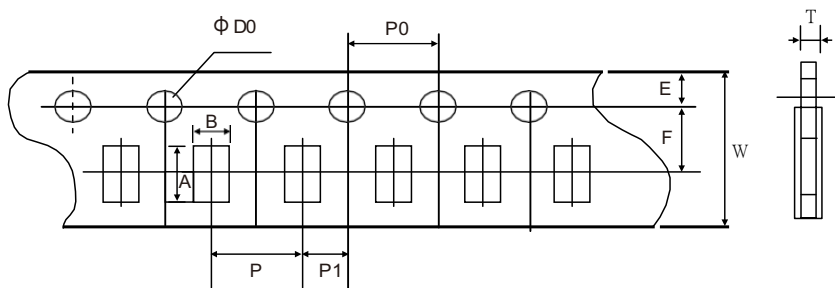
Time Current Curve



Packaging

5,000 pieces of fuses in plastic or paper taper

5000pcs)



Type	A	B	W	F	E
Spec	1.85±0.10	1.10±0.10	8.00±0.10	3.50±0.05	1.75±0.10
Type	P	P0	P1	D0	T
Spec	4.00±0.10	4.00±0.10	2.00±0.05	1.50±0.10	0.65±0.10

(Unit: mm)