

Selection Guide 選用指南

(A) Rated Functioning Temperature (T_F.T_F) 額定動作溫度 (T_F.T_F)

The temperature at which a thermal cutoff changes its state of conductivity to open a circuit with detection current of 10mA or less as it loads. The temperature tolerance is +0,-10°C. 當僅有不大于10 mA的偵測電流作為負載的情況下，使溫度保險絲改變其導電狀態之溫度。此溫度公差在+0,-10°C範圍以內。

(B) Cut-Off Temperature 實測動作溫度

Cut-off temperature is the actual operating temperature range when the thermal cutoff is made to operate inside a constant temperature oven, whose temperature is raised at the rate of 0.5 to 1°C/min, while detection current of 10mA or lower is applied. 溫度保險絲在以升溫速率為0.5~1°C/min，且以不高於10mA的偵察電流作偵測的烤爐中發生動作時的溫度。

(C) Holding Temperature (T_H.T_H.T_C) 保持溫度 (T_H.T_H.T_C)

The maximum temperature at which a thermal cutoff can be maintained while conducting rated current for 168 hours without functioning. 在溫度保險絲中，通以額定電流能夠連續維持168小時導通狀態。在此情況下，溫度保險絲所能夠承受的最高不致改變電氣流通狀態的溫度。

(D) Maximum Temperature (T_M.T_M) 最高極限溫度 (T_M.T_M)

The maximum temperature at which mechanical and electrical properties of a thermal cutoff can be maintained for 10 minutes without resuming conductivity after functioning. 溫度保險絲所能處在的最高溫度，在這個高溫狀態下，溫度保險絲已改變其電氣導通性，溫度保險絲在這個高溫持續達10分鐘而不致破壞其機械性能和電氣特性。

Storage Conditions 儲存條件

-10°C to +40°C and relative humidity of 30% to 75%. Store where no rapid change of temperature or humidity exist, and no direct sunlight is applied. The location must be free from vibration and shock. 溫度-10°C~40°C，相對濕度30%~75%。存儲在溫度和濕度相對穩定的環境，無陽光直接照射，存儲位無震動。

Packing 包裝

Poly bag of 100 fuses / 散裝每膠袋100個保險絲
10 poly bags/box: total of 1000 fuses / 每盒10袋共1000個保險絲

Standard 標準

UL 60691 / IEC 60691

Instruction Manual 使用說明

Lead wire process 引線處理

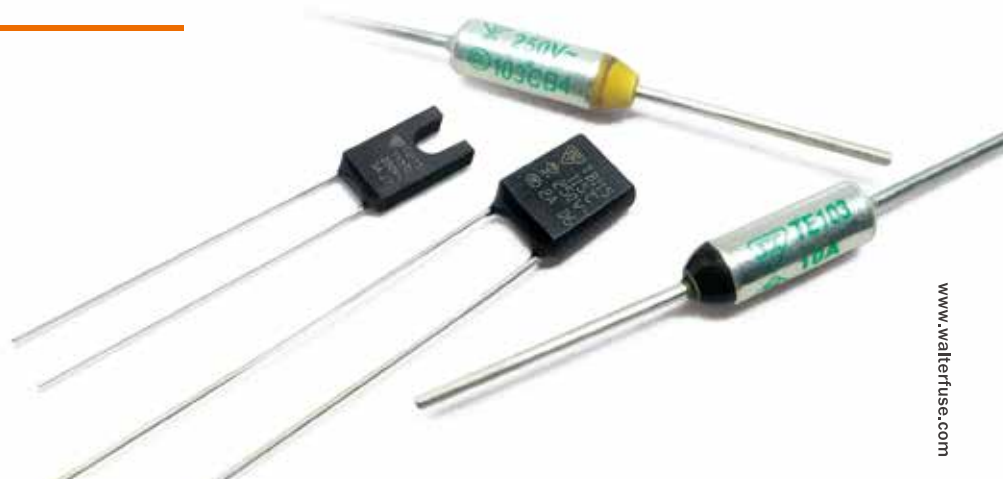
A . The lead wire should be bent at a distance of 3 mm or more from the fuse body. 引線進行曲折加工時，請先在離本體3mm以上處固定後再進行曲折加工。
B . Avoid applying excessive force that may pull, push or twist the lead wires. 作業時，不要向引線施加過大的拉力，推力或扭力。

Mounting 安裝

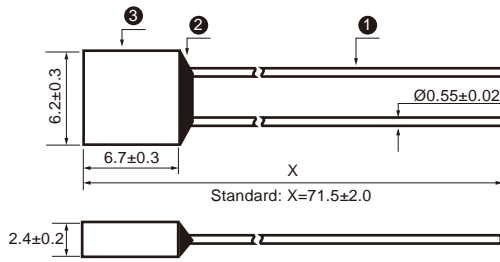
A . The thermal cutoff can be mounted by soldering, caulking, or welding. 溫度保險絲可以用焊接、鉚合等方式進行安裝。
B . It is recommended that the connecting position at the lead of resin-sealing side should be 5 mm or more from the body of thermal cutoff. 建議使引線（樹脂封口側）的安裝位置離開本體5mm以上。
C . Mounting by soldering may cause excessive heat, which results in thermal cutoff malfunctioning. Thus, use heat-radiating clip near the fuse body to allow heat dissipation. Also, soldering time should not exceed below chart specifications. 如果是用焊接方式安裝：為防止焊接時的熱量引發保險絲動作，在焊接時，建議用散熱夾，夾在保險絲外殼附近，以便熱量散發，並在規定的焊錫時間內完成。具體焊錫時間如下表：

Tf Temp Tf 溫度	Lead Distance 引線距離	Soldering Time 焊錫時間			Soldering Conditions 焊錫條件
		10mm	15mm	20mm	
94°C Down / 94°C以下		1S	2S	3S	Soldering Temperature: 300°C 焊錫溫度: 300°C
94°C~100°C		2S	3S	4S	
101°C~130°C		3S	4S	5S	
Over 130°C / 130°C以上		4S	5S	5S	

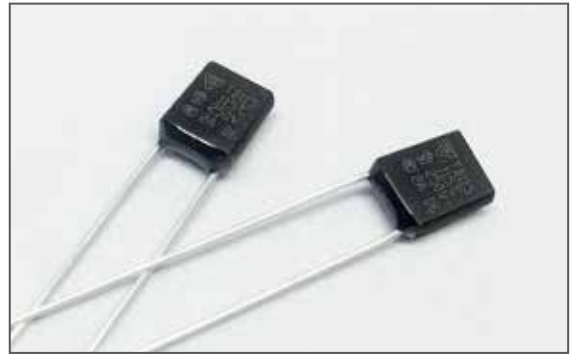
D . Thermal cutoff fuse is a heat sensitive device. Mounting by manual soldering iron is recommended. Wave soldering is not recommended. 溫度保險絲為熱敏感元件，安裝時建議用手工過錫或烙鐵焊錫，不建議使用波峰焊。



Dimensions / 尺寸圖 (Unit / 單位:mm)



TB Series Rating 2A 250V AC

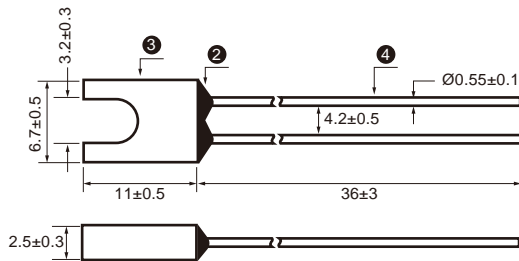


No.	Component / 元件	Material / 材質
①	Lead / 引線	Tinned Copper Wire / 鍍錫銅線
②	Sealing Resin / 封口樹脂	Epoxy Resin / 環氧樹脂
③	Casing / 外殼	Plastic / 塑膠

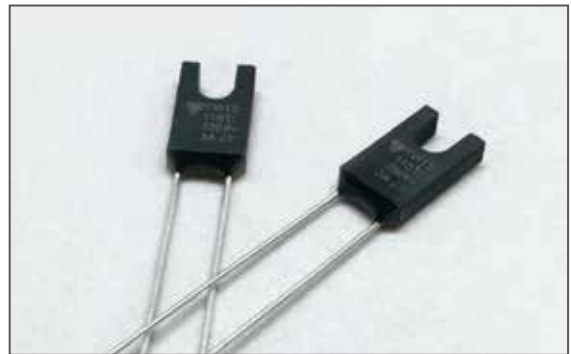
Electrical Characteristics / 電氣特性

Type 型號	(A) Rated Functioning Temperature 額定動作溫度 (T _F , T _r) (°C)	(B) Cut-Off Temperature 實測動作溫度 (°C)	(C) Holding Temperature Limit 最高維持溫度 (T _H , T _h , T _c) (°C)	(D) Maximum Temperature Limit 最高極限溫度 (T _M , T _m) (°C)	Electrical Rating 電氣額定值	Safety Approvals 安全認證				
					Voltage(V)/額定電壓 (V _{AC})					
TB102	102	97±2	76	180	250V	●	●	●	●	●
TB115	115	112±3	85	180	250V	●	●	●	●	●
TB125	125	121±3	97	180	250V	●	●	●	●	●
TB130	130	126.5±3	102	180	250V	●	●	●	●	●
TB150	150	146±2	120	180	250V	●	●	●	●	●

Dimensions / 尺寸圖 (Unit / 單位:mm)



TU Series Rating 3A 250V AC



No.	Component / 元件	Material / 材質
①	Lead / 引線	CP Wire / CP線
②	Sealing Resin / 封口樹脂	Epoxy Resin / 環氧樹脂
③	Casing / 外殼	Plastic / 塑膠

Electrical Characteristics / 電氣特性

Type 型號	(A) Rated Functioning Temperature 額定動作溫度 (T _F , T _r) (°C)	(B) Cut-Off Temperature 實測動作溫度 (°C)	(C) Holding Temperature Limit 最高維持溫度 (T _H , T _h , T _c) (°C)	(D) Maximum Temperature Limit 最高極限溫度 (T _M , T _m) (°C)	Electrical Rating 電氣額定值	
					電流(A) Voltage	電壓 Voltage
TU115	115	112±3	85	200	3A	250V AC
			80	200	3.5A	125V AC
			80	200	4A	50V DC

单击下面可查看定价，库存，交付和生命周期等信息

[>>Walter\(华德\)](#)