



產品規格承認書

SPECIFICATION FOR APPROVAL

客戶名稱 C U S T O M E R	
產品名稱 P R O D U C T N A M E	<u>玻璃快断美规保险丝</u>
型號規格 M O D E L D E T A I L	5GFU 5*20
承認日期 A P P R O V A L D A T E	

編制	經理	業務
P R E P A R E D	M A N A G E R	O P E R A T I O N
姚本发	谢德贵	

承認	審核	批准
S I G N A T U R E	C H E C K E D B Y	A P P R O V A L B Y

備註:承認簽章後請回復一份承認書(或影本)給我們,其餘的您們留作存檔。如果在簽章的承認(或影本)回復給我們之前,下了有關此零件的訂單且又無特別說明,那麼我們就確定您們已完全承認了。

Please return one specification or one copy of it with your chop and signature of approval and retain the others for your record. In the event of an order being placed for this part number before the chop and signed with specification (or copy) is returned and without special explanation, it will be assumed that full approval have been given.



1. 規格型號和安規認證

MODEL NUMBER AND SAFETY CERTIFICATION

品名規格：系列號+額定電流+額定電壓+認證符號

Model Number: Part Number+Rated Current+Rated Voltage+Approvals.

例子[example]:

5GFU, 1A, 250V

1) 系列號 Part Number, 2) 額定電流 Rated Current, 3) 額定電壓 Rated Voltage

1-2 額定電流和額定電壓

Rated Current And Voltage

額定電流: 100mA~25A

Rated Current: 100mA~25A

額定電壓: 125V/250V AC

Rated Voltage: 125V/250V AC

1-3 標示 Marking

保險絲上需有下列標示

The fuse shall have the following marking:

規格: 特性符號+額定電流+額定電壓

Specification: Characteristic Symbol+Rated Voltage

50mA~800mA : _mA250V 1A~25A: _A250V

Trade mark: The Manufacture's Logo+Part Number+Approvals



100mA~25A:

注意: 對標示字樣大小沒有規定

Note: Size of the markings have not be specified.



2. 適用範圍 SCOPE

適用於一般電子設備。Used in electronic equipment.

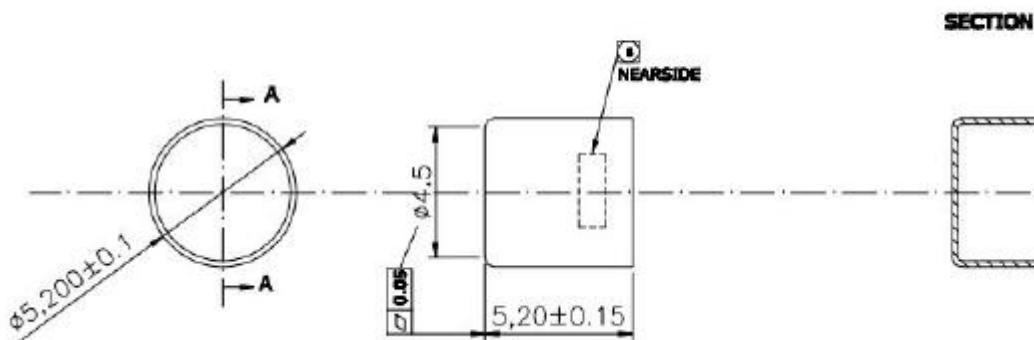
3. 工程圖和結構 OUTLINE DRAWING AND STRUCTURE

3-1 工程圖（單位：mm）Outline Drawing and Dimensions(Unit:mm)

3-2 結構 Structure

編號 No.	元件 Component	材質 Material	數量 Quantity
1	熔絲 Wire	合金 Alloy	1
2	銅帽 Cap	黃銅鍍鎳 Brass with mickel plated	2
3	本體 Body	玻璃管 GLASS Tube	1
4	引線 Lead	鍍錫銅線 Tinned Copper wire	2

3-2-1 銅帽



注意事項：除非另有規定

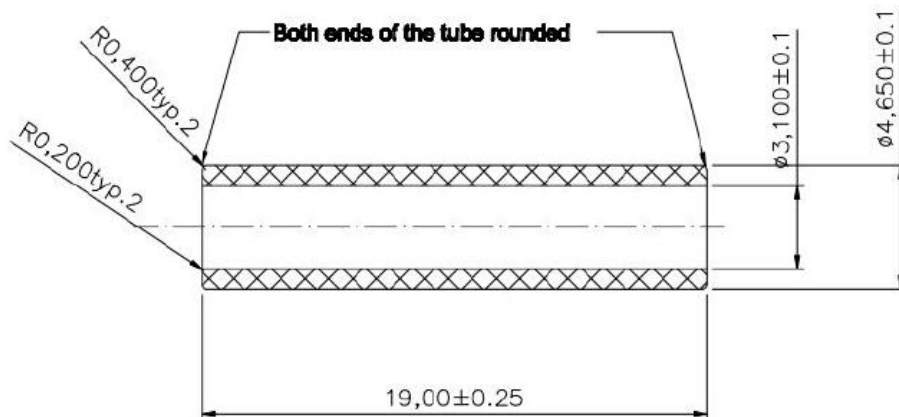
- 1 材料：銅/ C2680 0.23mm。
- 2 表面處理：鍍鎳。
- 3.去除所有毛刺和銳邊
- 4.最大彎曲弧度為 0.2 rad
- 5.零件在加工前沒有任何損壞
- 6.毛刺或銳利邊緣的情況是在允許的範圍內
- 7.標誌不變，額定的電流，電壓，認證

NOTES:UNLESS OTHERWISE SPECIFIED

- 1.Material:0.23mm COPPER/C2680
- 2.FINISH:NI PLATED
- 3.REMOVE ALL BURRS AND SHARP EDGES
- 4.BENDS TO BE 0.2 RAD. MAX. BEND RELIEF TO BE MINIMUM
- 5.PARTS TO BE FREE OF ALL BREAKS AND TOOLING MARKS
- 6.BURRS AND SHARP EDGES ARE PERMISSIBLE INSIDE
- 7.PERMANRNTLY STAMP LOGO,F OR T,CURRENT RATING,VOLTAGE, APPROVALS



3-2-2 玻璃管



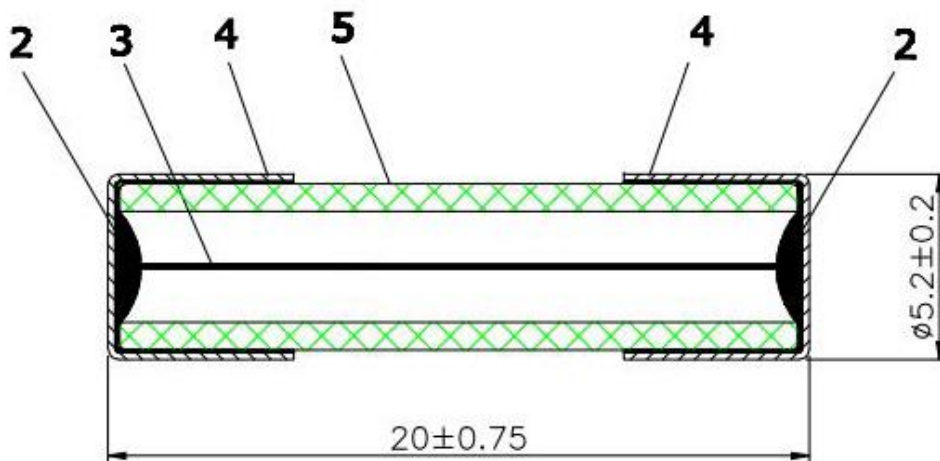
注意事项：除非另有规定

1. 材料：玻璃管-二氧化硅 72%；氧化钙 4.8%；氧化镁 2.8%；氧化铝 2.7%；氧化钠 15%；氧化钾 1%；氧化硼 1.2%
2. 去除所有毛刺和锐边

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: GLASS TUBE- SiO_2 72%; CaO 4.8%; MgO 2.8%; Al_2O_3 2.7%; Na_2O 15%; K_2O 1%; B_2O_3 1.2%.
2. REMOVE ALL BURRS AND SHARP EDGES.

3-2-3 成品单体

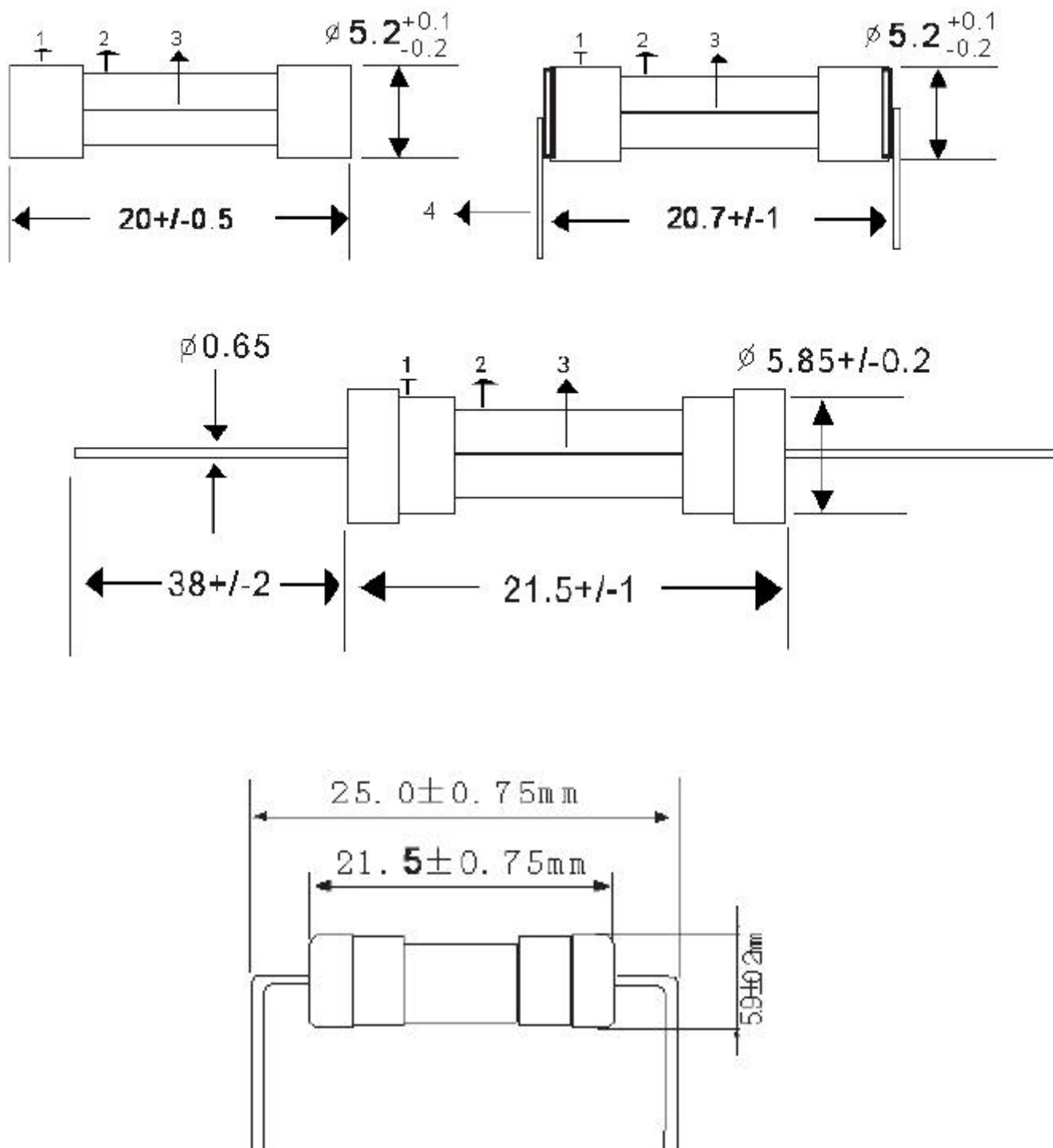


试验规范：电气和机械试验标准

包装规格：袋装

test specification: per electrical and mechanical test standard

packing specification: per packing document





序号 NO.	描述 DESCRIPTION	数量 QTY
2	锡 SOLDER	
3	熔丝 MELTINGELEMENT	1
4	铜帽 ENDCAP	2
5	管体 TUBE	1

4. 外觀及形狀

4-1 外觀：不應有破碎、明顯的汗斑

4-2 形狀：帶腳的保險絲

4. APPEARANCES AND CONFIGURATION

4-1 Appearances:There shall no fragmentation and of remarkable blotch.

4-2 Configuration:Axial Leaded Fuse.

5. 物理特性

5-1 拉力測試

沿端子的軸向施加 10N 的拉力，持續 1 分鐘。

5. PHYSICAL CHARACTERISTIC

5-1 Tensile test

Keep pulling the cap of the fuse with 10N at axial direction for 1 min.

6. 電氣特性

ELECTRICAL CHARACTERISTICS

熔斷/電流特性：

Acting Time/Current Characteristic

a、Breaking capacity（分斷能力）（Time Lag and Fast Acting）

150A

250V

AC

b、Electrical characteristics

Time Lag

% of Rating	Opening Time	
	MINI	MAX
110	4H	/
135	/	60min
200	0.5s	60S

c、Temperature character

当100%的电流下温度上升不超过75℃

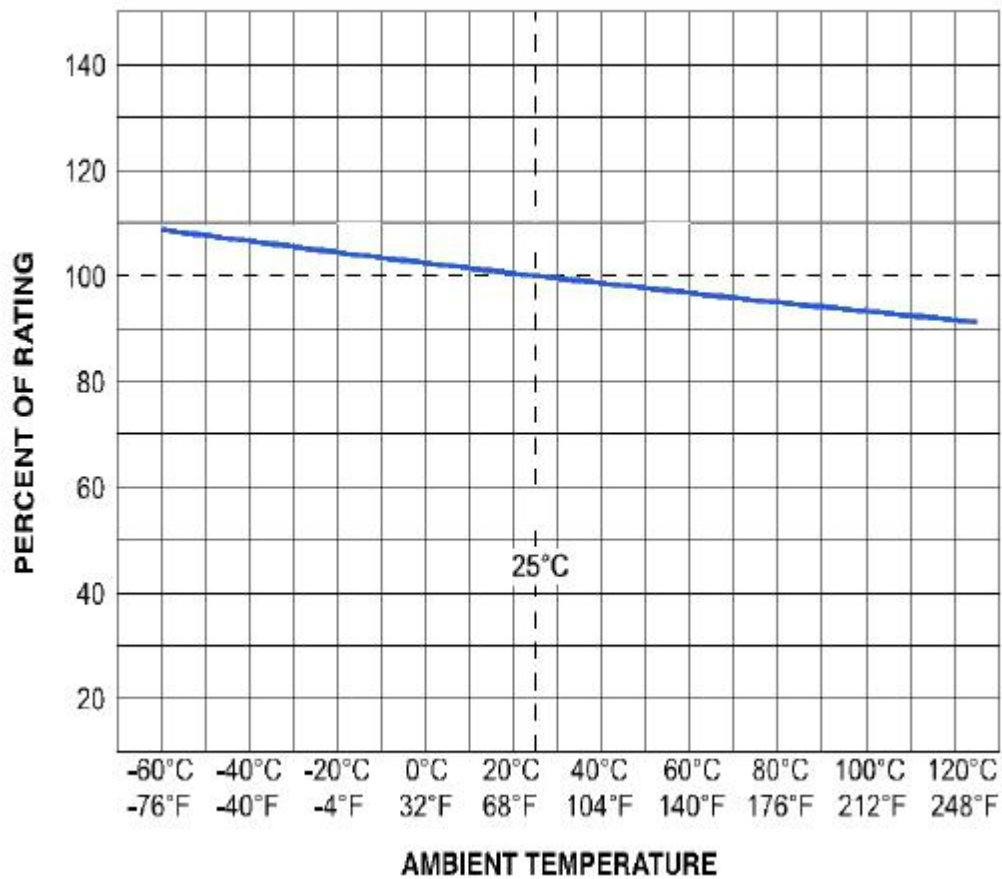
When 100% of rating the temperature rise doesn' t exceed 75℃.

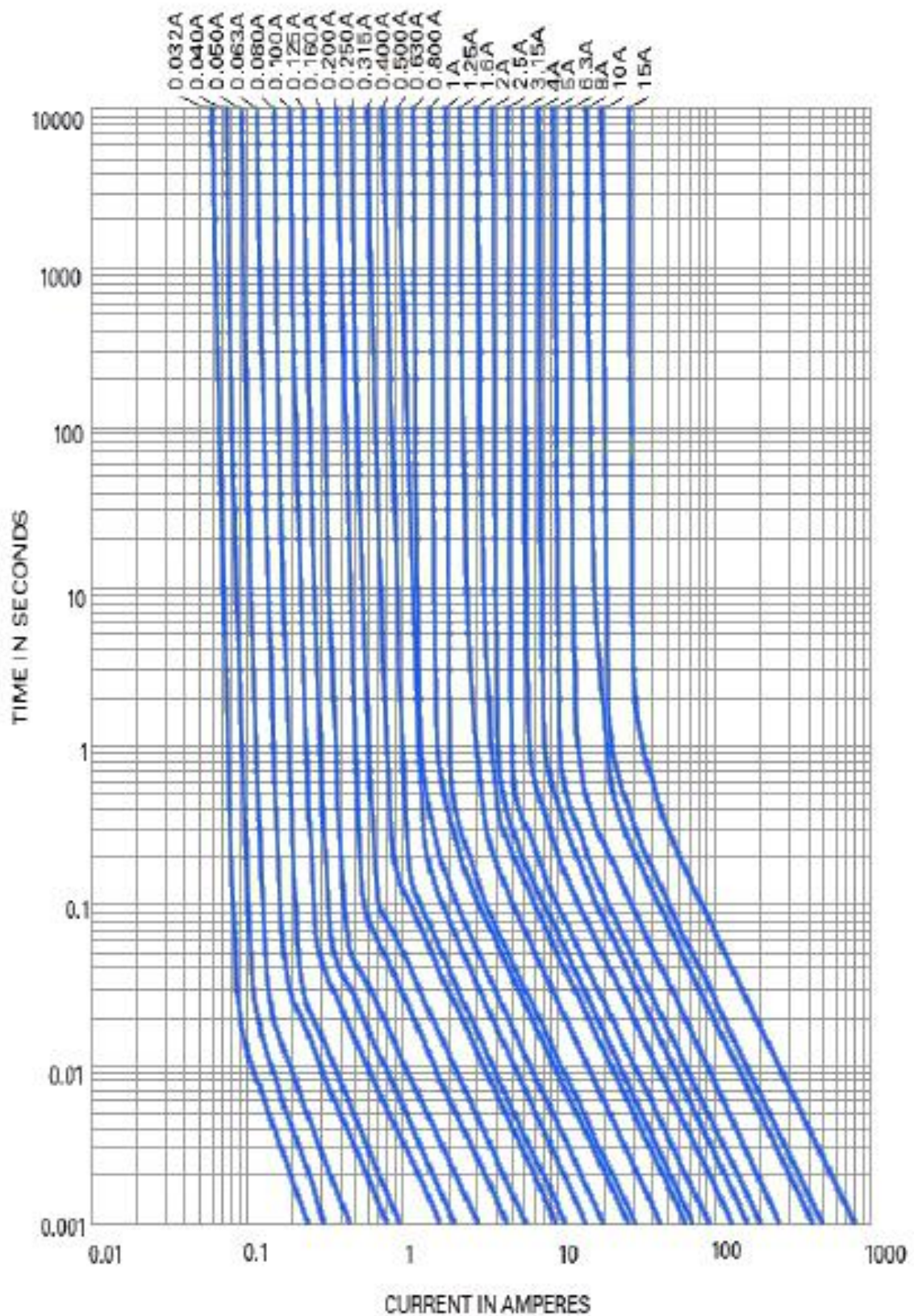


东莞市安都电子有限公司

Dongguan Andu Electronic CO.,LTD

Catalog Number	Rating Ampere (A)	Rating Voltage (V)	Nominal Cold Resistance (Ohms)	Voltage Drop MAX (mV)	Nominal Melting I2t (A2 sec)	Agency Approvals		
						UL	CSA	CQC
5GFU-.100	0.1	125V/ 250V	5.6965	220	0.00450	x	x	x
5GFU-.125	0.125		3.820	210	0.00478	x	x	x
5GFU-.200	0.2		1.7002	200	0.0214	x	x	x
5GFU-.250	0.25		1.2325	190	0.0425	x	x	x
5GFU-.315	0.315		0.885	190	0.1195	x	x	x
5GFU-.400	0.4		0.274	180	0.1255	x	x	x
5GFU-.500	0.5		0.2322	180	0.128	x	x	x
5GFU-.600	0.6		0.206	180	0.418	x	x	x
5GFU-.700	0.7		0.1203	150	0.854	x	x	x
5GFU-.800	0.8		0.1215	160	0.304	x	x	x
5GFU-001.	1		0.0964	140	1.045	x	x	x
5GFU-01.5	1.5		0.0528	130	4.615	x	x	x
5GFU-01.6	1.6		0.0505	120	4.954	x	x	x
5GFU-002.	2		0.0416	110	5.73	x	x	x
5GFU-02.5	2.5		0.0334	110	9.46	x	x	x
5GFU-3.15	3.15		0.0281	105	17.72	x	x	x
5GFU-004.	4		0.0164	105	29.165	x	x	x
5GFU-005.	5		0.0137	105	42.795	x	x	x
5GFU-006.	6		0.0095	100	62.465	x	x	x
5GFU-06.3	6.3		0.0089	100	68.582	x	x	x
5GFU-007.	7		0.0073	100	127.358	x	x	x
5GFU-008.	8		0.0068	98	198.16	x	x	x
5GFU-010.	10		0.005	94	217.635	x	x	x
5GFU-015.	15		0.0042	92	607.135	x	x	x
5GFU-020.	20		0.00315	91	876.586	x	x	x
5GFU-025.	25		0.0025	89	937.5	x	x	x







7. 環境特性

7-1 操作溫度範圍: $-5^{\circ}\text{C}\sim 60^{\circ}\text{C}$

7-2 保存條件

溫度: $+10^{\circ}\text{C}\sim 60^{\circ}\text{C}$

在相對濕度 $\leq 75\%$ 下平均可存放 3 年

在非露天下, 相對濕度為 95%下最多可存放 30 天。

7. ENVIRONMENTAL SPECIFICATION

7-1 Operating Temperature: $-5^{\circ}\text{C}\sim 60^{\circ}\text{C}$

7-2 Storage Conditions

Temperature: $+10^{\circ}\text{C}\sim 60^{\circ}\text{C}$

On average, It can be stored below the relative humidity or 75% for 3 years.

Without dew, It can be kept under humidity of 95% for 30 days.

8. 焊接條件

8-1 波峰焊

焊接溫度: $260\pm 5^{\circ}\text{C}$

焊接時間: 4 Sec. Max.

8-2 手工焊錫

焊接溫度: $350\pm 5^{\circ}\text{C}$

焊接時間: 3 Sec. Max.

8. SOLDERING PAAMETERS

8-1 Wave Solder

Soldering Temperature: $260\pm 5^{\circ}\text{C}$

Soldering Time: 4 Sec. Max.

8-2 Manual Solder

Soldering Temperature: $350\pm 5^{\circ}\text{C}$

Soldering Time: 3 Sec. Max.

9. 其他使用注意事項

如果需在保險絲上加熱縮套管, 烘烤溫度與時間需參照以下規定

設定烘烤溫度: 不大於 150°C 烘烤時間: 50s Max.

9. OTHER NOTICE IN USING

If heat shrink tubing was needed, the roast temperature and time should be refer to the following.

The temperature should be sel under 150°C , roast time: 50s Max.