



CUSTOMER NAME	客户名称:	
CUSTOMER NO.	客户编号:	
SERIES	系 列:	SIM 卡座
MODEL NO.	型 号:	
DRAWING NO.	图 形 号:	Smart CARD

依据和存档之用，多谢合作！

Quality core! Afterburner for Made in China!

# 規 格 書

## SPECIFICATION

**SERIES**                      系列: Smart CARD

**MODEL NO.**                型號:

**1. RATING**                額定值: 0.5A 50V DC

**2. CIRCUIT**                回路:

**3. TIMING**                切換類型:

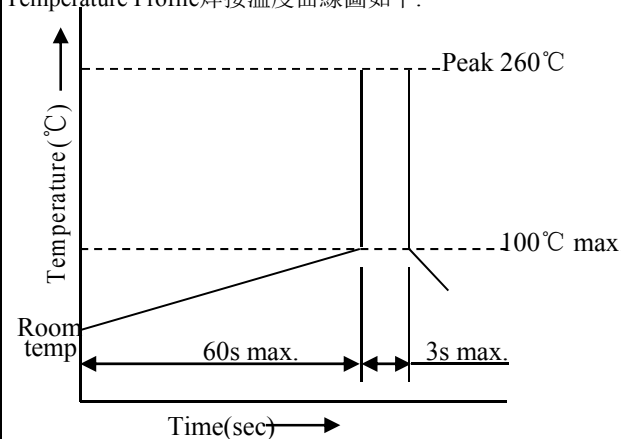
**4. STANDARD TEST TEMPERATURE SHALL BE 5°C TO 35°C AND HUMIDITY SHALL BE 45% TO 85% .**

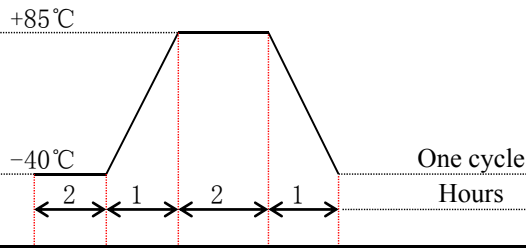
溫度 5~35°C，濕度 45~85% 標準狀態下測試。

**5. OPERATING TEMPERATURE RANGE IS -20°C TO 70°C. IT IS USUALLY APPLIED TO ELECTRONIC AND ELECTRICAL APPLIANCE PRODUCTS.**

溫度 -20°C~70°C 環境內使用。一般適用於電子、電氣方面產品使用。

ITEM 項目		TEST CONDITION 測試條件	PERFORMANCE 性能
<b>6. ELECTRONICAL PERFORMANCE 電氣性能</b>			
6.1	CONTACT RESISTANCE 接觸電阻	Being tested at 1 kHz small current and voltage (100mA,20mV ) by contact resistance meter. 在 1kHz 小電流電壓 (100mA,20mV) 下測量。	100mΩ max. 100毫歐 以下。
6.2	INSULATION RESISTANCE 絕緣電阻	DC 500 V shall be applied for test between terminals and between terminals and frame for one minute. 在端子之間和端子與殼之間加 DC 500 V 條件下，持續1分鐘測量。	100 MΩ min. 100兆歐 以上。
6.3	WITHSTAND VOLTAGE 耐電壓	AC 500 V and induction current 1 mA shall be applied for test between terminals and between terminals and frame for one minute. 在端子之間和端子與殼之間加 AC 500 V (50Hz或60Hz) 感應電流 1mA 條件下，持續1分鐘測量。	There shall be no breakdown. 無擊穿現象出現。
<b>7. MECHANICAL PERFORMANCE 機械性能</b>			
7.1	INSERTION AND EXTRACTION FORCE 插入及拔出 力度	Insert plug into the jack and extract for test. then measure the insertion and extraction force. 用插頭插入和拔出插座，測量插入和拔出的作用力。	Insertion force: 插入力度: 0.4~2.0kgf Extraction force: 拔出力度: 0.3~1.5kgf
7.2	TERMINAL STRENGTH 端子強度	A static force of 500 g being applied in one direction on the tip of the terminal for 1 minute. 一個 500 克之靜負荷施加於端子頂部的一個方向持續1分鐘。	There shall be no sign of mechanical and electrical damage. 無任何迹象顯示機械及電器性能之損壞。

ITEM 項目		TEST CONDITION 測試條件	PERFORMAENCE 性能
<b>8. DURABILITY 耐久性</b>			
8.1	SOLDERING TEST 可焊性試驗	<p>The tip of the terminals shall be dipped 2 mm in the solder bath within temperature of <math>250\pm 5^{\circ}\text{C}</math> for 3 seconds. 端子頂部被浸入焊錫池 2mm 深, 溫度<math>250\pm 5^{\circ}\text{C}</math>, 時間3秒。</p>	<p>Over 95% of the immersed surface was covered by tin. 浸入的部份95%以上表面將被錫覆蓋。</p>
		<p>The condition mentioned is temperature for lead-free soldering . 無鉛錫測試 Alloy: Sn 96.5% Cu 3% Ag 0.5% 成份: 錫 96.5% 銅 3% 銀 0.5%</p>	
8.2	SOLDERING RESISTANT TEST 耐焊性試驗	<p>Manual soldering temperature <math>300\pm 5^{\circ}\text{C}</math>, soldering time <math>3\pm 0.5</math> seconds, however excessive pressure shall not be applied to the terminal. 手焊接的時候溫度需控制在<math>300\pm 5^{\circ}\text{C}</math>, 時間為<math>3\pm 0.5</math>秒, 但不能在端子上施加異常壓力。</p>	<p>Without deformation of case or excessive looseness of teminals, meet mechanical and electrical properties 本體無變形, 能滿足於機械、電器性能。</p>
		<p>The condition mentioned is temperature for lead-free soldering . 無鉛錫測試。 Alloy: Sn 96.5% Cu 3% Ag 0.5% 成份: 錫 96.5% 銅 3% 銀 0.5%</p>	
8.3	Wave soldering 波峰焊	<p>When applying wave soldering, the peak temperature of the wave Oven should be set to <math>260^{\circ}\text{C}</math> max. 當使用低波爐進行焊接時, 最高溫度設置為<math>260^{\circ}\text{C}</math>. ondition for soldering (Wave &amp; Non-washable Type) Temperature Profile: 焊接溫度曲線圖如下:</p> 	
		<p>There shall be no defects in appearance or in the mechanical functions. 沒有出現任何外觀和機械功能上的損傷。</p>	
		Items	Condition
		Preheating temperature	Ambient temperature of the soldered surface of PC board $100^{\circ}\text{C}$ max.
		Preheating time	60s max.
		Soldering temperature	$260^{\circ}\text{C}$ max.
		Continuous dipping time	3s max.
		Number of soldering	1 times max.

ITEM 項目		TEST CONDITION 測試條件	PERFORMAENCE 性能
8.4	LIFE TEST 壽命試驗	5000 cycles of operation at a rate of 15-18 cycles per minute with unloading 無負載條件下，每分鐘 15~18 次的速度操作 5000 次。	(1) Contact resistance 150mΩ max. 接觸電阻150毫歐 以下 (2) Insertion force: 插入力度: 0.25~2.0kgf Extraction force: 拔出力度: 0.2~1.5kgf (3) ITEM 項目—6.2 (4) ITEM 項目—6.3
8.5	HEAT RESISTANT TEST 耐熱試驗	80±2℃ for 96 hours, test after keeping in normal condition for 30 minutes. 在 80±2℃ 環境中放96小時, 再放在正常環境中30分鐘後進行測試。	(1) Contact resistance 150 mΩ max. 接觸電阻150毫歐 以下 (2) Insulation resistance 50 MΩ min. 絕緣電阻50兆歐 以上 (3) ITEM 項目—6.2 (4) ITEM 項目—6.3
8.6	MOISTURE RESISTANT TEST 耐濕試驗	40±2℃ 90-95% RH for 96 hours, test after keeping in normal condition for 30 minutes. 在40±2℃ 90~95% RH 環境中放96小時, 再放在正常環境中, 30分鐘後進行測試。	
8.7	COLD RESISTANT TEST 耐冷試驗	At -40±3℃ for 96 hours, test after keeping in normal condition for 30minutes. 在 -40±3℃ 環境中放96小時, 再置於正常環境中, 30分鐘後進行測試。	
8.8	TEMPERATURE CYCLING TEST 溫度交變試驗	According to following figure, after 5 cycles, test after keeping in normal condition for 30 minutes. 如圖示之環境中, 循環5次後, 再置於正常環境中, 30分鐘後進行測試。 	
8.9	STORAGE ENVIROMENT 儲存環境	Under sealing pack condition, stored temperature don't exceed 30℃ and relative humidity is 75% RH; in the enviroment of no sunshine direct and no corrosive gas, the stored time ought to be three months but within six month at most. 密封包裝狀態下, 儲存溫度為≤30℃, 相對溫度 75% RH; 無陽光直射, 無腐蝕性氣體的環境中, 儲存時間為3個月, 最長不宜超過6個月。 Without sealing pack condition, stored temperature don't exceed 30℃ and relative humidity is 75% RH; in the enviroment of no sunshine direct and no corrosive gas, the stored time shouldn't exceed 48H 無密封包裝狀態下, 儲存溫度為≤30℃, 相對溫度 75% RH; 無陽光直射, 無腐蝕性氣體的環境中, 儲存時間最長不宜超過48小時。 Don't excessive overlap or overstocking when keeping this goods, in case of damage. 保存時應注意物品不能過量重疊、積壓、以免損壞	