

## Pb-FREE PRODUCTS 無鉛產品

No	Item [項目]	Test Method & Conditions [試驗方法、條件]	Specification After Test [試驗後規格]
<b>A . Mechanical Characteristics 機械特性</b>			
1	<b>Operating Temperature</b> 工作溫度	- 40 °C ~ + 125 °C (Including self - temperature rise) 含自身發熱溫度	
2	<b>Storage temperature and Humidity range</b>	- 10 °C ~ + 40 °C max. ; 70% RH max.	<ul style="list-style-type: none"> <li>· at packing condition</li> <li>· 在包裝條件</li> </ul>
3	<b>Solder Heat Resistance</b> 抗焊錫熱特性	<ul style="list-style-type: none"> <li>· Solder : M705E</li> <li>· Solder Temp : 260°C ± 5°C</li> <li>· Dip time : 6 sec</li> </ul> <ul style="list-style-type: none"> <li>· 錫 : M705E</li> <li>· 錫爐溫度 : 260°C ± 5°C</li> <li>· 浸入時間 : 6秒</li> </ul>	<ul style="list-style-type: none"> <li>· No Damage and No Abnormal on Surface</li> <li>· Impedance : Within ±20% of Initial Value</li> <li>· More than 75% of the terminal electrode should be covered and uniformity with solder</li> </ul> <ul style="list-style-type: none"> <li>· 產品表面不能被破壞及不正常的情形</li> <li>· 阻抗值 : 初始值的±20%以內</li> <li>· 端子吃錫需均勻，吃錫面積75%以上</li> </ul>
4	<b>Solderability</b> 焊錫性	<ul style="list-style-type: none"> <li>· Solder : M705E</li> <li>· Solder Temp : 250°C ± 5°C</li> <li>· Dip time : 3 sec</li> <li>· Soldering : 2 times</li> </ul> <ul style="list-style-type: none"> <li>· 錫 : M705E</li> <li>· 錫爐溫度 : 250°C ± 5°C</li> <li>· 浸入時間 : 3秒</li> <li>· 焊錫 : 2次</li> </ul>	<ul style="list-style-type: none"> <li>· More than 90% of the terminal electrode should be covered and uniformity with fresh solder.</li> </ul> <ul style="list-style-type: none"> <li>· 吃錫面積需90%以上且需均勻</li> </ul>
5	<b>Terminal Strength</b> 端子強度	<ul style="list-style-type: none"> <li>· The terminal should not peel off. (Refer to figure as below)</li> <li>· The fixed end, another end clamps on pin-P, gives the pulling force.</li> <li>1.5 Kgf 60 ± 5 sec : RH BEAD</li> </ul> <ul style="list-style-type: none"> <li>· 端點不可剝離(如下圖)</li> <li>· 固定一端，另一端則夾於pin-P上，施予拉力。</li> </ul> <div data-bbox="592 1760 842 2063" style="text-align: center;"> <p>The diagram illustrates a vertical ferrite bead with a central terminal. A horizontal force vector labeled 'P' is applied to the terminal, pulling it to the right. The bead is shown with diagonal hatching to indicate its cylindrical shape.</p> </div>	<ul style="list-style-type: none"> <li>· Terminal and body must not be damage or separate</li> </ul> <ul style="list-style-type: none"> <li>· 端子及本體不能被破壞或分離</li> </ul>

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<b>B . Environmental Characteristics 環境試驗</b>			
6	<b>High Temp Resistance Test</b> 高溫負荷測試	<ul style="list-style-type: none"> <li>· Operate Temperature : 125°C ± 3°C</li> <li>· Applied Current : per spec.</li> <li>· Time : 96 Hrs</li> <li>· Measure after exposure in the room temperature for 4 to 24 Hrs.</li> <li>· 動作溫度 : 125°C ± 3°C</li> <li>· 印加電流 : 依產品規格最大值</li> <li>· 時間 : 96 小時</li> <li>· 試驗完成後取出置於室溫4 - 24小時後進行測試</li> </ul>	<ul style="list-style-type: none"> <li>· Appearance : no damage</li> <li>· Impedance : Within ±20% of Initial Value</li> <li>· 外觀 : 不能有破損異常現象</li> <li>· 阻抗值 : 初始值的±20%以內</li> </ul>
7	<b>Humidity Test</b> 耐濕試驗	<ul style="list-style-type: none"> <li>· Temperature : 40°C ± 2°C</li> <li>· Humidity : 95 ± 2% R.H.</li> <li>· Applied Current : per spec.</li> <li>· Time : 96 Hrs</li> <li>· Measure after exposure in the room temperature for 4 to 24 Hrs.</li> <li>· 溫度 : 40°C ± 2°C</li> <li>· 濕度 : 95 ± 2% R.H.</li> <li>· 印加電流 : 依產品規格最大值</li> <li>· 時間 : 96 小時</li> <li>· 試驗完成後取出置於室溫4 - 24小時後進行測試</li> </ul>	<ul style="list-style-type: none"> <li>· Appearance : no damage</li> <li>· Impedance : Within ±20% of Initial Value</li> <li>· 外觀 : 不能有破損異常現象</li> <li>· 阻抗值 : 初始值的±20%以內</li> </ul>
8	<b>Temperature Cycling Test</b> 溫度循環試驗	<ul style="list-style-type: none"> <li>· One Cycle : +125°C/30Min -40°C/30Min</li> <li>· Cycle Times : 5 Cycle</li> <li>· Measure after exposure in the room temperature for 4 to 24 Hrs.</li> <li>· 1 週期 : +125°C/30Min -40°C/30Min</li> <li>· 週期 : 5次</li> <li>· 試驗完成後取出置於室溫4 - 24小時後進行測試</li> </ul>	<ul style="list-style-type: none"> <li>· Appearance : no damage</li> <li>· Impedance : Within ±20% of Initial Value</li> <li>· 外觀 : 不能有破損異常現象</li> <li>· 阻抗值 : 初始值的±20%以內</li> </ul>

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9	<b>Insulating Resistance Test</b> 絕緣試驗	<ul style="list-style-type: none"> <li>Over 50MΩ at 500V D.C. between coil and core.</li> <li>用印加定電壓500V 通於線圈與鐵粉芯，阻抗值不可低於50MΩ</li> </ul>	<ul style="list-style-type: none"> <li>Impedance : Over 50MΩ</li> <li>阻抗值：不可低於50MΩ</li> </ul>
10	<b>Dielectric Withstanding Voltage Test</b> 耐電壓試驗	<ul style="list-style-type: none"> <li>RH BEADS : No dielectric breakdown at 1000V 5mA(max.) D.C. for 10 seconds between coil and core.</li> <li>RH BEADS : 用印加定電壓/電流 1000V/5mA 通10秒。</li> </ul> <div data-bbox="486 1093 858 1240" style="text-align: center;"> </div>	<ul style="list-style-type: none"> <li>Appearance : no damage</li> <li>外觀 : 不能有破損異常現象</li> </ul>

