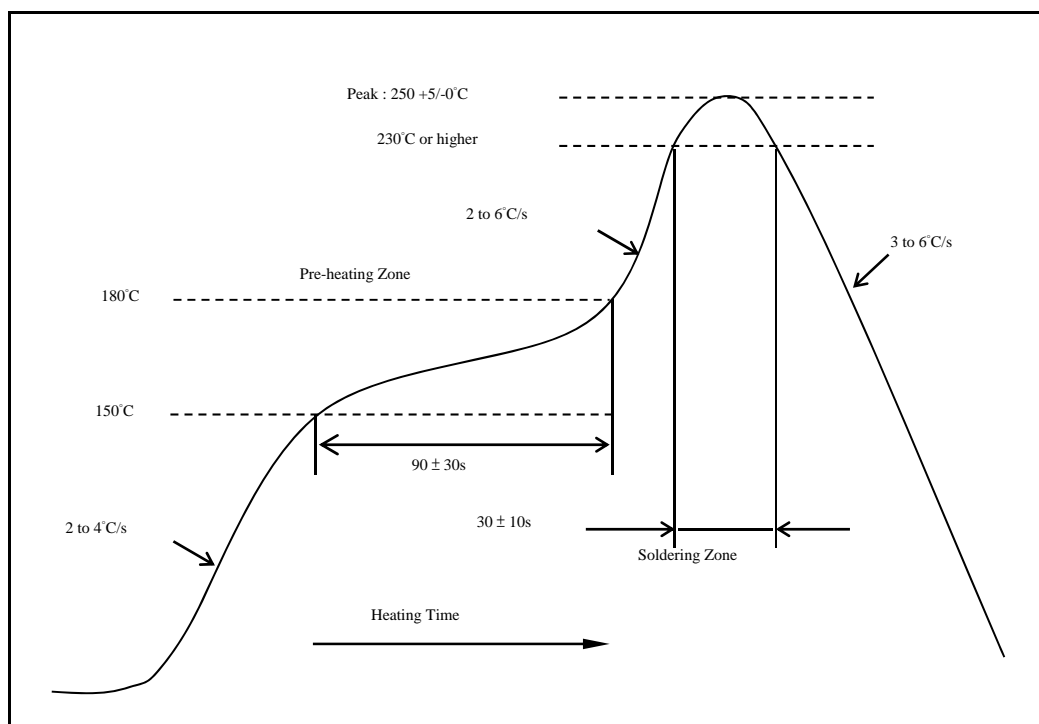


Pb-FREE PRODUCTS 無鉛產品

No	Item [項目]	Test Method & Conditions [試驗方法、條件]	Specification After Test [試驗後規格]
1	Operating Temperature 工作溫度	- 40 °C ~ + 85 °C	
2	Storage temperature and Humidity range 儲存溫度濕度	-10 ~ +40°C ; 30 to 70% RH	<ul style="list-style-type: none"> · on Tape & Reel · 在捲帶包裝

3 Recommended Soldering Conditions : 建議的焊接條件



A . Electrical Characteristics 電氣特性

4	Common Mode Impedance (Zc) and Tolerance 共模阻抗 (Zc) 和容差	Measuring Equipment : HP-4287A or equivalent Measuring Frequency : 100 ± 1MHz Measuring Temperature : 25 ± 5°C (Refer to Measurement Diagram)	Within ± 25%
5	Insulation Resistance 絕緣電阻	Measuring Voltage : Rated Voltage Measuring Time : 1 minute max. (Refer to Measurement Diagram)	10 megaohms minimum

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No	Item [項目]	Test Method & Conditions [試驗方法、條件]	Specification After Test [試驗後規格]
6	Dielectric Withstanding Voltage 介電耐壓	Test Voltage : 2.5 times for Rated Voltage Time : 1 to 5 seconds. Charge current : 1mA max. (Refer to Measurement Diagram)	No damage occurs when the test voltage is applied.
7	Rated Current 額定電流	Test Current : Rated Current (Refer to Measurement Diagram)	Temperature Rise : $\leq 15^{\circ}\text{C}$
8	DC Resistance (RDC) 直流電阻	Measured with current of 100mA max In case of doubt, measured by four terminal method. (Refer to Measurement Diagram)	Within Specified Tolerance.

B . Mechanical Characteristics 機械特性

9	Flexure Strength 彎曲強度		Change In Appearance: Without distinct damage Change In Common Mode Impedance: Within $\pm 20\%$ Insulation Resistance: 10M Ω min Withstanding Voltage: No damaged
10	Drop Test 跌落測試	Components shall be dropped three times on a concrete or steel board at height of 1m naturally at any directions.	
11	Vibration (Random) 振動 (隨機)	Components shall be randomly vibrated at amplitude of 1.5mm and frequency of 10 - 55 Hz: 0.04 G / Hz, 1 minute at a period of 2 hours in each of the three mutually perpendicular directions.	
12	Solderability 可焊性	Dip pads in flux and then in a solder pot containing lead free solder at $240^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 5 seconds.	A minimum of 80% of the metalized area must be covered with new solder.

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No	Item [項目]	Test Method & Conditions [試驗方法、條件]	Specification After Test [試驗後規格]
13	Resistance to Soldering Heat 耐焊接熱	Preheat components at 80 to 120 °C for 1 minute Dip components into flux and then into a solder pot containing lead free solder at 260 °C ± 5 °C for 5 ± 1 seconds. Then components are to be tested after 4-48 hours at room temperature.	Change In Appearance: Without distinct damage Change In Common Mode Impedance: Within ± 20% Insulation Resistance: 10MΩ min Withstanding Voltage: No damaged
14	Component Adhesion (Push Test) 組件附著力 (推力測試)	Components shall be reflow soldered onto a P. C. Board (240 °C ± 5°C for 20 seconds). Then a dynamometer force gauge shall be applied to any side of the component.	Components must withstand a minimum force of 1 Kg without any failure of the termination to component attachment.
C . Endurance Characteristics 耐力特性			
15	Cold Temperature Storage 低溫儲存	Components shall be stored at temperature of -40 °C ± 2 °C for 1000 (+48 hours -0 hour). Then components shall be subjected to standard atmospheric conditions for 4-48 hours. After that, measurement shall be made.	Change In Appearance: Without distinct damage Change In Common Mode Impedance: Within ± 20%
16	High Temperature Storage 高溫儲存	Components shall be stored at temperature of +85 °C ± 2 °C for 1000 (+48 hours -0 hour). Then components shall be subjected to standard atmospheric conditions for 4-48 hours. After that, measurement shall be made.	Insulation Resistance: 10MΩ min Withstanding Voltage: No damaged
17	Moisture Resistance 防潮性	Components shall be stored in the chamber at 40 °C at 90 - 95% R. H. for 1000 (+48 hours -0 hour). Then components are to be tested after 4-48 hours at room temperature.	
18	Temperature Cycle 溫度循環	Each cycle shall consist of 30 minutes at -40°C followed by 30 minutes at 85°C with a 10-15 minutes maximum transition time between temperature extremes. Test duration is 100 cycles, then components are to be tested after 4-48 hours at room temperature.	
19	High Temperature With Loaded 高溫帶負載	Components shall be stored at temperature of +85 °C ± 2 °C for 1000 (+48 hours -0 hour) with rated current applied. Then components shall be subjected to standard atmospheric conditions for 4-48 hour After that, measurement shall be made.	