电位器使用注意事项

慎用化学药品

由于电位器以使用多碳酸盐类的合成树脂为主，故应避免与以下化学品接触，如：氨水，其它氨类，盐水溶液，芳香族氢化合物，酮类和盐素族的碳氢化合物等。

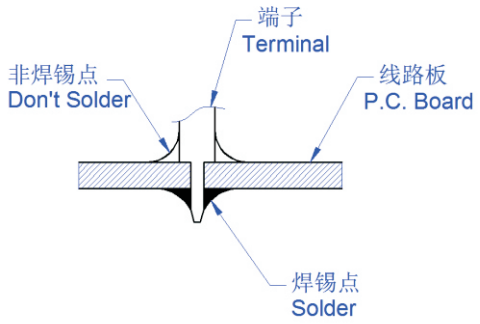
慎用助焊剂

应避免使用水溶性助焊剂（俗称松香），否则将加速金属氧化及导致材料发霉。或若助焊剂侵入电位器内部并附着在碳膜层表面，易造成电刷与电阻体接触不良，而产生INT和动噪音不良现象。

焊接工艺和方法

电位器的端子在焊接时若温度过高或时间过长，可能导致电位器损坏。通常情况下电位器（特别是不完全封闭式的电位器）标准焊接工艺为手工焊接，且焊接温度应在260℃±5℃，时间在3秒内完成。（若购买者因生产装配效率原因而采用非手工焊接工艺时，必要与电位器供应商进行说明和讨论。）

下图为常见的端子插入PCB焊接方法：



抗硫化保护层

为避免电位器导电银层硫化，可在其表面加印抗氧化层以作保护，但其残留电阻则会略微增加。

避免结露

慎防电位器表面结露或沾水，否则会导致其绝缘失效或短路。

储存条件

请将电位器存储于通风干爽处。温度宜保持在10℃至35℃。

PRECAUTIONS

Use of chemicals

Due to potentiometer to use polycarbonate synthesisResin based, so should avoid contact with the following chemicals,such as: ammonia, other ammonia, saline solution, aromatic hydrogen compounds, ketones and salt group hydrocarbons, etc.

Use of flux

Water-soluble flux (commonly known as loose) should be avoidedIncense), otherwise it will accelerate metal oxidation and cause materialIt's mouldy. or if the flux intrudes into the potentiometer and attaches on the surface of the carbon film, it is easy to cause brushes and resistors poor contact, resulting in poor INT and dynamic noise.

Welding process and method

If the terminal temperature of the potentiometer is too high orif the time is too long, the potentiometer may be damaged. Usualcase potentiometer (especially not completely enclosed electricitystandard welding process is manual welding, and weldingthe temperature should be 260 ° C ±5 ° C, and the time should be completed within 3 seconds.(if the buyer uses the non for production assembly efficiency reasonsmanual welding process, it is necessary to consult with the potentiometer supplierline description and discussion.)

The figure on the left shows the common terminal insertion PCB welding method.

Protection against sulpides

In order to avoid vulcanization of the conductive silver layer of the potentiometer, it can bethe surface is printed with an antioxidant layer for protection, but it retains electricitythe resistance will increase slightly.

Dew condensation

Be careful to prevent dew or water on the surface of the potentiometer, otherwise it mayCause its insulation failure or short circuit..

Storage condition

Store the potentiometer in a dry and ventilated place. temperatureIt should be keep at 10℃ to 35℃.