

J&B东莞市骏佳电子科技有限公司

产品规格书

1. SCOPE[适用范围]

This specification covers the BCM product series.

本规范适用于BCM系列产品

2. Part name & part number 【部件名称 & 部件编号】

Part name [部件名称]	Part number[部件编号]
1.27 BOX SMT	BCM

3. RATINGS[标准额定值]

Item[项目]	Standard[规格]	
Rated voltage[额定电压]	250V	AC/DC
Rated current[额定电流]	1A	
Operating temperature[使用温度范围]	- 40°C To + 105°C	

4. TEST CONDITION[测试条件]

The test and measurement , unless otherwise specified, shall be carryout at a temperature of 15 to 35°C, Relative humidity of 25 to 85%, and atmospheris pressure of 86 to 106kPa. However, when any doubt arises on the judgment value under it , the test and measurement shall be carryout at a temperature of $20 \pm 2^\circ\text{C}$, relative humidity of 60 to 70% , and atmospheric pressure of 86 to 106kPa.

[除非特别说明之外，一般测试及测量将于温度15~35°C，相对湿度25~85%，大气压力86~106kPa之条件下完成，但若于上述条件下有任何影响判定值的疑虑，可考虑在温度 $20 \pm 2^\circ\text{C}$ ，相对湿度60~70%及大气压力86~106kPa之条件下完成试验。]

5. Appearance[外观]

By looking , there shall not be any abnormality such as deformity , exfoliation of plating , etc. , which can reduce performance. No defect shuch as cracks scratches or blemishes.

[经目视观察，外观不可有变形，电镀脱落等会降低其功能的异常现象，也不可有严重破裂、刮伤或污损之缺点。]

6. ELECTRICAL EFFICIENCY[电气特性]

NO.[编号]	Item[项目]	Test Method[试验方法]	Requirement[性能要求]
6.1	Contact Resistance [接触电阻]	EIA-364-23C Subject mated contacts assembled in housing to closed circuit current of 100 mA maximum at open circuit at 20 mV maximum. 在开路电压最大为20mV的状态下，对组装好的端子进行最大电流为100mA的回路测试。	1. Initial value: 20m max. 初始值 最大20 mΩ 2. Final value: 30m max. 结束值 最大30 mΩ
6.2	Insulation Resistance [绝缘电阻]	EIA-364-21C Mate connectors, apply 500V DC for 1 minute between adjacent terminal or ground. [在插入连接器相邻接触件之间施加500V DC 电压持续1分钟]	1000MΩ Min.

NO. [编号]	Item [项目]	Test Method [试验方法]	Requirement [性能要求]
6.3	Withstandin g Voltage [耐电压]	EIA-364-20 Test again after wire up 2 mins. Mate connectors, apply 500v AC Between adjacent terminal or ground. [在各相邻接触件间施加500V AC 通电2分钟后做测试]	No insulation breakdown [塑胶无爆裂]

7. ENVIRONMENTAL EFFICIENCY [环境特性]

NO. [编号]	Item [项目]	Test Method [试验方法]	Requirement [性能要求]
7.1	Heat Resistance [耐热试验]	EIA-364-17 Mated connector shall be placed in an environmental for 96 hours at $+85 \pm 2$ °C. [将插合的连接器放在温度为 $+85 \pm 2$ °C 的环境中96小时]	1. No evidence of damage. 无损坏 2. The electrical performances meet the spec. specified in paragraph 6.1 电气性能符合表格6.1要求。
7.2	Cold Resistance [耐冷试验]	EIA-364-59C mated connector shall be placed in an environmental for 48 hours at -25 ± 3 °C. [将插合的连接器放在温度为 -25 ± 3 °C 的环境中48小时]	1. No evidence of damage. 无损坏 2. The electrical performances meet the spec. specified in paragraph 6.1 电气性能符合表格6.1要求。
7.3	Humidity [耐湿性试验]	EIA-364-31 Mate connectors, 40 ± 2 °C in temperature and 90~95%RH in an environmental for 96 hours. After testing connector shall be left alone for 1 to 2 hours in a room ambient. [将插合的连接器, 温度 40 ± 2 °C, 相对湿度 90~96% 的环境中, 持续96小时。试验后, 连接器须于室温中放置1~2小时, 再测定其值。]	1. No evidence of damage. 无损坏 2. The electrical performances meet the spec. specified in paragraph 6 电气性能符合表格 6 要求。
7.4	Temperatur e Cycling [温度循环]	EIA-364-30 low temperature: -40 ± 3 °C high tempetature: 105 ± 3 °C After 5 cycles at the normal environment for testing after 2 hours [低温: -40 ± 3 °C] [高温: 105 ± 3 °C] [5此循环后放置在正常环境中恢复2小时后进行测试]	1. No evidence of damage. 无损坏 2. The electrical performances meet the spec. specified in paragraph 6.1 电气性能符合表格6.1要求。
7.5	Salt spray [盐雾测试]	EIA-364-26 Salt concentration: 5% /Temperature: 35 ± 2 °C Testing time: 8 hours. After salt is removed by running water and a drop is removed. it is measured. [盐水比重: 5% / 温度 35 ± 2 °C] [试验时间: 8小时, 试验结束后用清水将残留盐份清洗并将水滴清楚后, 才可测量。]	1. No evidence of damage. 无损坏 2. The electrical performances meet the spec. specified in paragraph 6.1 电气性能符合表格6.1要求。

NO. [编号]	Item [项目]	Test Method [试验方法]	Requirement [性能要求]
7.6	Solderability [可焊性测试]	EIA-364-52 Soldering Time: 3~5 S Solder Temperature: 245±5°C [焊锡时间: 3~5秒] [焊锡温度: 245±5°C]	95% min. of solder area [焊锡面积≥95%]
7.7	Resistance to soldering heat [耐焊性]	EIA-364-71 Soldering Time: 5~10 S Solder Temperature: 260±5°C [焊锡时间: 5~10秒] [焊锡温度: 260±5°C]	Without deformation of case or excessive lossen. [塑胶不可有明显的变形或损坏]

8. MECHANICAL EFFICIENCY [机械特性]

NO. [编号]	Item [项目]	Test Method [试验方法]	Requirement [性能要求]
8.1	Terminal retention Force [端子保持力]	EIA-364-29 Fix the dynamometer 150mm away from the wire of the connection, then apply axial pull out force at a speed $\leq 10\text{N/S}$ on the terminal assembled in the housing. [将测力器固定在距离150mm处, 在连接器轴方向施加拉力, 施力速度 $\leq 10\text{N/S}$, 将端子从孔位中拉出]	3 N Min. Only per terminal [单一端子]