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COB LED STRIP TEST REPORT


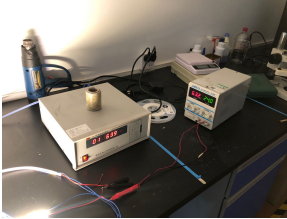
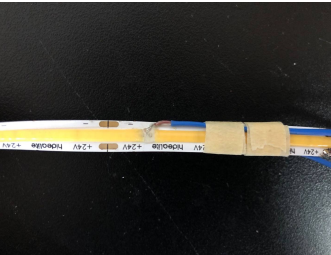
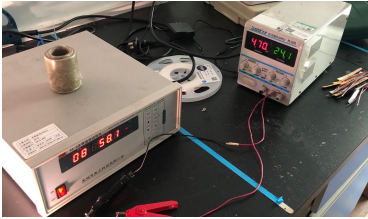
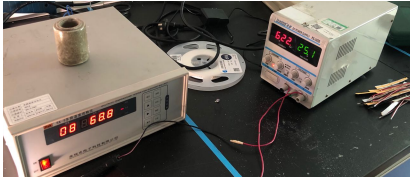
product name	COB-480-24V-10mm/8mm	tested by	Mark Tang	test time	2020/3/24
test items	Temperature rise test	Test type	Environmental test	quantity	2

1. Test purpose : To test how much degree temperature of the lamp head pin is when working under the power target power of 15W and 10W.

2. Experimental apparatus: 10mm wide COB led strip, 8mm wide COB led strip, thermocouple instrument.

3. TEST Requirement : present temperature 25.5°C, Humidity : 62%, The maximum temperature 150°C for the chip.

4、 Test records :

10mm Test point/part	15W/m	
		
8mm Test point/part	10W/m	15W/m
		

5. Test result :

- 10mm COB led strip : when 15w/m, temperature of the Lamp bead pin :63.9°C, temperature-rise 38.4°C.
- 8mm COB led strip : when 8w/m, temperature of the Lamp bead pin :58.1°C, temperature rise 32.6°C.
- 8mm COB led strip : when 15w/m, temperature of the Lamp bead pin : 68.8°C, temperature-rise 43.3°C.

Conclusion : COB chip is directly seated onto the PCB board. it is good heat dissipation for the chip. and the lamp bead pin temperature test is close to the junction temperature of the chip; Therefore, the temperature rise of COB led strip is higher than the SMD led strip under the same power