

* DC Power Jack Connector *

This product specification contains the test method, the general performance and requirements For $\Phi 2.0$ and $\Phi 2.5$ DCJK Connector.

1. Construction and dimensions shall be in accordance with the referenced drawings.

产品结构 and 尺寸依据所提的产品图面

2. Characteristics 特性:

Current rating 额定电流: 2 A

Voltage rating 额定电压: 50V DC, AC

Temperature range 适用温度: -20°C to +80°C

3. Electrical performance 电气特性:

ITEM 项目	DESCRIPTION 内容	TEST METHOD & CONDITION 测试方法及条件	REQUIREMENT 要求
3-1	Contact resistance 接触阻抗	It should be tested in accordance with method EIA-364-23.	40 m Ω max.
3-2	Insulation resistance 绝缘阻抗	It should be tested in accordance with method EIA-364-21.	100 M Ω min.
3-3	Withstanding voltage 耐电压测试	Connectors shall be tested in accordance with method EIA-364-20 when the AC 500 V rms for one minute applied between adjacent contacts.	Neither flashover sparkover nor dielectric breakdown.

4. Mechanical Performance :

ITEM 项目	DESCRIPTION 内容	TEST METHOD & CONDITION 测试方法及条件	REQUIREMENT 要求
4-1	Insertion Force 配合插入力	Insert the phone plug to the jack connector at a constant speed of 25 mm / minute.	3~30N
4-2	Withdraw Force 配合拨出力	Extract the phone plug from the jack connector at a constant speed of 25 mm / minute.	3~30N
4-3	Durability 耐久性	It should be tested in accordance with method EIA-364-09. The phone jack connector shall be subjected to 5000 cycles of insertion and withdrawal	No defects. Contact resistance shall be 80m Ω max.

LEOCO CORPORATION		PRODUCTION SPECIFICATION		No.	S-21-DCJK	REV	1
5. Environmental Performance 环境特性:							
ITEM 项目	DESCRIPTION 内容	TEST METHOD & CONDITION 测试方法及条件			REQUIREMENT 要求		
5-1	Humidity 耐湿性	It should be tested in accordance with method EIA-364-31: Temperature: 40±2 °C Humidity: 90 ~ 95 % (RH) Period: 96 hours.			No damage. Contact resistance shall be 80mΩ max.		
5-2	Salt Spray 盐雾测试	connector shall be tested in accordance with method EIA-364-26 (Terminal after reflow treatment) Temperature:35±2°C Density: 5% in weight. Period: 24hours			Visual: No damage. Contact resistance shall be 80mΩ max.		
5-3	Thermal Shock 冷热冲击	Expose to 10 cycles of: Temperature °C Duration (Minutes) -30 +0/-3 30 +70 +3/-0 30 Per EIA-364-32.			Visual: No damage Contact resistance shall be 80mΩ max.		
5-4	Solder ability 着锡性	Connector termination ends shall be checked for solder ability in accordance with method EIA-364-52 Solder temperature:245±5°C Immersion period:5±0.5sec.			No damage Minimum:80% of immersed area.		
5-5	Resistance to soldering heat 耐高温焊接	Specimen shall be mounted on PCB. Solder temperature:260±5°C Immersion period:5±0.5sec.			No damage and deformation.		
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