



VOOHU

产品规格书

版本: A2

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产品名称: RJ45-22 系列连接器

审批	校对	制作
		雷萌

● 物料名称：RJ45-22 连接器



● 标准额定值

Item[项目]	Standard[规格]
Rated voltage[额定电压]	AC 42Vrms maximum
Rated current[额定电流]	1.2A
Operating temperature[使用温湿度环境]	-40℃～+80℃, 85% RH Max
Storage temperature[储存温湿度环境]	-40℃～+80℃, 85% RH Max

● 试验条件

除非特别说明之外，一般试验及测量将于温度15～35℃，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，可考量在温度20±2℃，相对湿度60～70%，大气压力86～106kPa之条件下完成试验。

● 技术参数

■ 电气性能

NO. 编号	Item/项目	Test Method/试验方法	Requirement/性能要求
1.1	Contact Resistance [接触阻抗]	Mate connectors, Measure by dry circuit,20mV Max,100mA [公母对插后测试] {EIA-364-23}	40mΩ Max (initial)
1.2	Insulation Resistance [绝缘阻抗]	Unmated connectors, apply 500V DC between adjacent terminal or ground. [公母不对插,对相邻端子施加 500V DC 电压测试] {EIA-364-21}	500MΩ Min
1.3	Withstanding [耐电压]	Unmated connectors, apply 1000V AC for 1 minute between adjacent terminal or ground. [公母对插前对各端子施加 1000V AC 电压持续 1 分] {EIA-364-20}	No Breakdown 无击穿 Current Leakage: <0.5mA

■ 机械特性:

NO. 编号	Item/项目	Test Method/试验方法	Requirement/性能要求
2.1	Insertion force [插入力]	Measure mating force necessary to mate connector. Operation speed: 12.5mm/minute [测试一组公母对插之连接器所需之插入力, 测试速度 12.5mm/分钟] {EIA-364-13}	22.25N {2.27kgf} Max
2.2	Withdrawal force [拔出力]	Measure unmating force necessary to mate connector. Operation speed: 12.5mm/minute [测试一组公母对插之连接器所需之拔出力, 测试速度 12.5mm/分钟] {EIA-364-13}	
2.3	Normal force [正向力]	Measurements done in assembled connector, with nominal deflection, 5 samples of each unique contact. {EIA-364-04}	0.1N min
2.4	Retention Force 保持力	Perform a forced disassembly axial load to each contact at a maximum rate of 25.4 millimeters (1.0 inch) per minute until The contact retention features fail and allow the contact to become dislodged from its proper position in the housing. Reference to EIA-364-29 Method C - Test to destruction	5N min

NO. 编号	Item/项目	Test Method/试验方法	Requirement/性能要求	
2.5	Durability [耐久性]	Mated and unmated connectors up to 750 cycles at a maximum rate of 200 cycles per hour [测试连接器在最大 200 次/小时的插拔速度下必须承受 750 次的插拔循环] {EIA-364-09}	Appearance 外 观	NO damage 不可破坏
			Contact Resistance 接触阻抗	40mΩ Max
			Insertion force [插入力]	
			Withdrawal force [拔出力]	
2.6	Vibration [振动测试]	Amplitude:1.52mm. Sweep time:50~2000~50Hz Duration:10 minutes in each(total of 30 minutes)X,Y,Z azes. [振幅：1.52mm，振动频率：50~2000~50Hz，振动时间：X、Y、Z 轴各 10 分钟共计 30 分钟] {EIA-364-28 Test condition V test letter A}	Appearance 外 观	NO damage 不可破坏
			Discontinuity	1 Microsecond Max.
2.7	Mechanical Shock 机械冲击测试	Pulse width: 11 msec; Mate connectors to 490m/s ² 50g’ s half-sine shock pulses of 11ms duration. Three shocks in each direction applied along three mutually perpendicular planes for a total of 18 shocks.. 脉冲宽度：11 毫秒；对插连接器，每个方向 490m/s ² 50g 三次垂直的冲击共 18 次冲击； {EIA 364-27B}	Appearance 外 观	NO damage 不可破坏
			Contact Resistance 接触阻抗	40mΩ Max

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■环境特性:

NO. 编号	Item/项目	Test Method/试验方法	Requirement/性能要求	
3.1	Humidity test [耐湿性测试]	Temperature: $40 \pm 2^{\circ}\text{C}$ Relative Humidity: 90~95% Duration: 4 cycles (96 hours) Upon completion of the test, specimens conditioned at ambient room conditions for 1 [温度在 $40 \pm 2^{\circ}\text{C}$, 相对湿度 90~95%, 持续 96 试验后, 连接器于室温中放置 1~2 小时再测试, {EIA-364-31 Test condition A method III}]	Appearance 外 观	NO damage 不可破坏
			Contact Res 接触阻抗	40m Ω Max
			Insulation Resistance 绝缘阻抗	100M Ω Min
			Withstandin Voltage 耐电压	No breakdow 无击穿
3.2	Salt mist spray [盐水喷雾测试]	Salt concentration: $5\% \pm 1\%$ Temperature: $35 \pm 2^{\circ}\text{C}$; Testing time: 24 ± 2 hours ,After salt is removed by running water and a drop is removed, it is measured. [盐水比重: $5\% \pm 1\%$, 温度: $35 \pm 2^{\circ}\text{C}$, 试验时间 24 ± 2 小时, 试验后用清水将残留盐份清洗, 清除后, 方可再测试其它值] {EIA-364-26A, condition A}	NO damage Appearance shall not be extremely rust. 不可破坏 外观无腐蚀生锈	
3.3	Thermal shock [冷热冲击测试]	Mate connentors together and perform the test as follows. 10 cycle of: A) -55°C for 30 minutes; B) $+85^{\circ}\text{C}$ for 30 minutes [将连接器做 10 个循环, 每个循环条件为: -55°C , 30 分钟; $+85^{\circ}\text{C}$, 30 分钟] {EIA-364-32, Condition I}	Appearance 外 观	NO damage 不可破坏
			Contact Res 接触阻抗	40m Ω Max
3.4	Heat test [耐热性测试]	The connector is exposed to $70 \pm 2^{\circ}\text{C}$ atmosphere for 96 hours. After testing it shall be left alone for 1 to 2 hours in room ambient. [将连接器置于 $70 \pm 2^{\circ}\text{C}$ 的温度环境下, 时间 96 小时; 结束后将其放置于室温下 1~2 小时再测试其他值]	Appearance 外 观	NO damage 不可破坏
			Contact Res 接触阻抗	40m Ω Max
3.5	Cold test [耐寒性测试]	The connector is exposed to $-40 \pm 2^{\circ}\text{C}$ atmosphere for 96 hours. After testing it shall be left alone for 1 to 2 hours in room ambient. [将连接器置于 $-40 \pm 2^{\circ}\text{C}$ 的温度环境下, 时间 96 小时; 结束后将其放置于室温下 1~2 小时再测试其他值]	Appearance 外 观	NO damage 不可破坏
			Contact Res 接触阻抗	40m Ω Max

3.6	Waterproof Test	IEC 60529, IP65 1. The connector is mounting with a sealing 2. Test box which the plug-in hole is opening. 3. Completely immerse the full test boxes into water. 4. The connector plug-in hole is located 1000 mm below the surface of the water. 5. Under water test duration is 30 min. 6. After immersion, allowed dry the receptacle plug-in hole by pressure air before dielectric withstanding voltage test.	No water permeated into the test boxes by visual inspection after test.
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● 产品信息

■ 简介

此插座技术性能符合凌科电气企标；插座内置标准 8 针 RJ45 接口（符合 IEC、UL 等标准），可与 8P8C 标准水晶头互配使用；插座与适配插头采用螺纹连接方式，操作方便、连接可靠、抗震动、耐冲击；插座与面板安装方式为方盘法兰安装，接触件与导线的端接采用焊接方式，接触件数量为 8 个。

■ 包装与储存

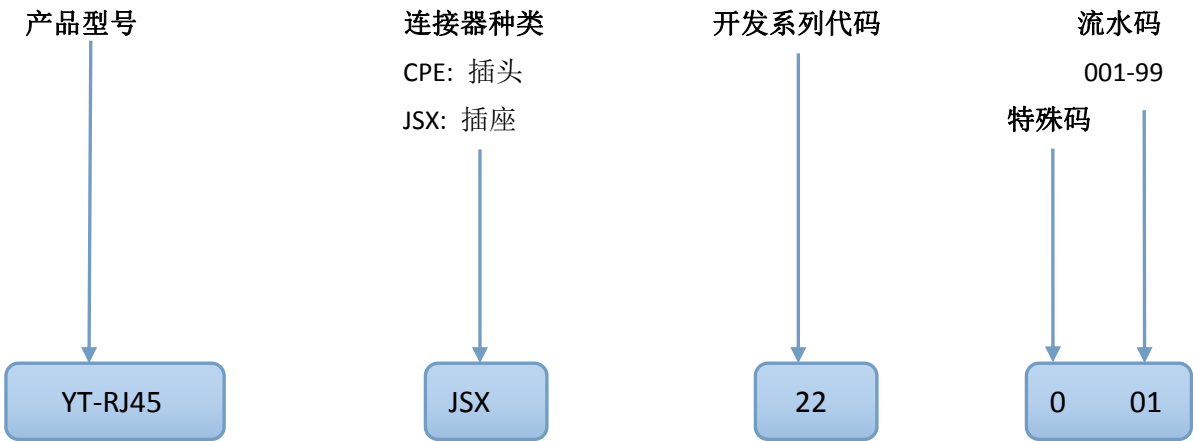
产品采用自封袋包装，箱内应有装箱单，其上注明产品名称、型号、批号、内装盒数及产品数。包装好的产品应贮放在环境温度为-40℃ ~ +80℃，相对湿度不大于 85%，周围空气中无酸性、碱性等腐蚀性气体的库房内。

■ 互配关系

配用连接器：RJ45-22 连接器插头插座

■ 适用标准：符合 IEC、UL 等标准

编码规则



● 外形尺寸

