



PRAN ELECTRONICS PVT. LTD.

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AN ISO 9001:2000 COMPANY

1Port Magnetic Jack with LED Specifications: Part No: JP-TS-20003

Electrical Specification:

TEST NOTES (25±5°C)

1. TR: (100KHZ, 0. 1V);
TX=1:1±2% RX=1:1±2%
2. LX: (100KHZ, 100mV, 8mA, DC Bias)
PINS: (R1-R3), (R4-R6)=350uH MIN
3. Transmitter filter & Receiver filter Type:
Balance low pass 100Ω impedance
4. HIPOT:
Input (R1-R3) TO Output (C1-C2) :1500VAC 60sec
Input (R4-R6) TO Output (C3-C6) :1500VAC 60sec
5. INSERTION LOSS:
-1. 0dB MAX @ 1. 0MHz TO 100MHz
6. RETURN LOSS:
-18dB MIN @ 1. 0MHz TO 30MHz
-16dB MIN @ 30MHz TO 60MHz
-12dB MIN @ 60MHz TO 80MHz
7. CROSS TALK:
-30dB MIN @1. 0MHz TO 100MHz
8. COMMON MODE REJECTION:
-30dB MIN @1. 0MHz TO 100MHz
9. OPERATING TEMPERATURE: 0°C~70°C.

NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
Housing: Thermoplastic UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max
Wave solder tip temperature time: 5 Sec Max