



Wireless RF Test Enclosures

JRE USB 2.0 HIGH SPEED FILTERED INTERFACE

\$699

Easily test all high speed USB 2.0 devices in an RF Shielded test environment

- Simple single 1 inch hole mounting
- Features two USB 2.0 RF filtered interfaces
- Over 80 db attenuation beyond 1 GHz
- Rugged machined aluminum construction
- Balanced filtering for minimal ringing
- Excellent RF Isolation

The USB EMI Filter consists of two sets of high speed USB 2.0 ports. Each USB port is designed to reject frequencies greater than 1 GHz while passing data and power between a host computer on one side and a USB device on the other. The USB interface consists of a balanced pair of bi-directional data lines and an unbalanced power and return pair. Each output cable is 4 inches (minimum) long. The USB cable and connectors have the standard USB 2.0 pinout and configuration.

The data line filters pass the up to 480Mbps of USB Type 1 or 2 data while providing rejection greater than 80dB from 1GHz through 6 GHz. The power line filters pass the DC power and return while providing rejection greater than 80dB from 1MHz through 6 GHz.

FEATURES & BENEFITS

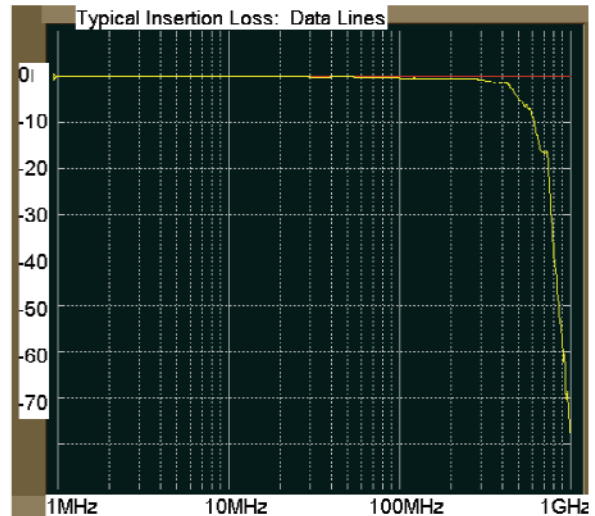
- Simple one hole mounting eases installation in any enclosure
- Two separate USB 2.0 RF filtered interfaces
- Heavy duty machined aluminum case for reliable shielding
- Precision designed filtering for minimal ringing on data lines
- Excellent RF filtering at all wireless frequencies

SPECIFICATIONS:

Data Line Balanced Impedance: 90 Ohms typ.
 Typical Insertion Loss (data lines):
 10 MHz 0.1 dB
 100 MHz 1.2 dB
 200 MHz 1.5 dB
 300 MHz 2.0 dB
 400 MHz 3.0 dB
 1 GHz – 6 GHz > 80 dB
 DC Power lines: 0.5 ohms DC, -15 db @ 10KHz,
 -30 @ 100KHz, -65 db @ 1MHz - 6GHz

DIMENSIONS

Outside: 1" H x 3" W x 5" D
 Mounting nipple: 1.75" long, 1" - 14 Thread, mtg nut included



JRE USB 2.0 Filtered Interface Connectors

USB Inside: 2 each pendant 4 inch long USB 2.0 Type A Female Cables

USB Outside: 2 each of USB 2.0 Type A Female Connectors

Power capability: USB standard or up to 50 VDC at 1 amp

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