

Filtered Modular Jack Connectors

Protecting signals from electromagnetic interference (EMI) is now more important than ever. Spectrum gives you more choices in keeping your signals clean and free of EMI. Whatever the level of protection your application requires, we offer signal conditioning products that meet varied levels of price and performance.

These compact, low-cost, filtered printed circuit board RJ45 modular jack connectors from Spectrum offer an inexpensive way to protect equipment from conducted and radiated electromagnetic interference (EMI), while meeting all appropriate performance requirements. Offering compact size and high reliability, these new connectors are fully interchangeable and interchangeable with existing standard product. The low profile and narrow width of the multi-port style allows more ports to be packed into less space.

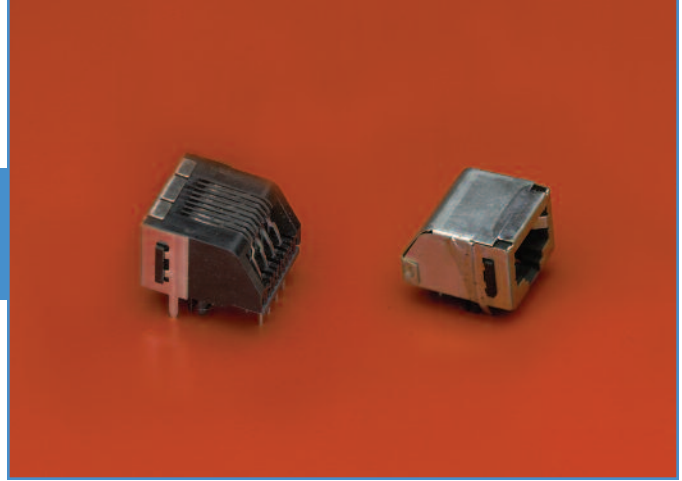
Filtered versions can be supplied in shielded or unshielded versions. Redundant shielding tabs ensure that a low impedance ground path is maintained across the interface. These flame retardant polyester thermoplastic connectors are compatible with wave solder environments, and utilize duplex plated contacts with solder tails.

Modular jack connectors assist with FCC Part 15 A & B; and CISPR 22 compliance.

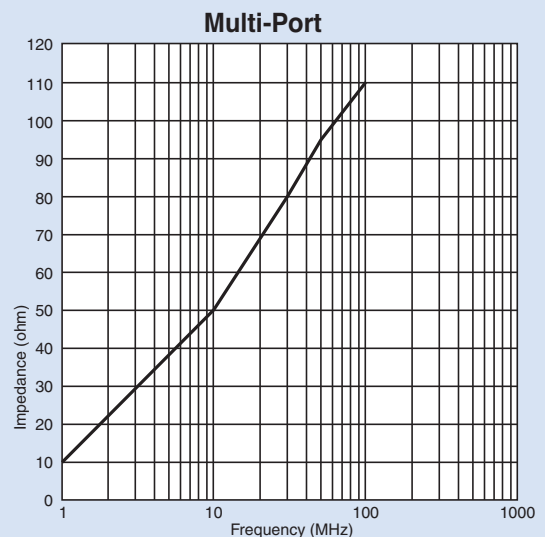
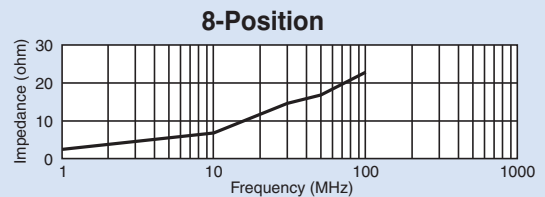
Applications for this type of connector are widely diversified and include: LANs, WANs, network cards, broadband transmission equipment, workstations, peripherals, fax/modems, copy machines and multiplexing.

Features

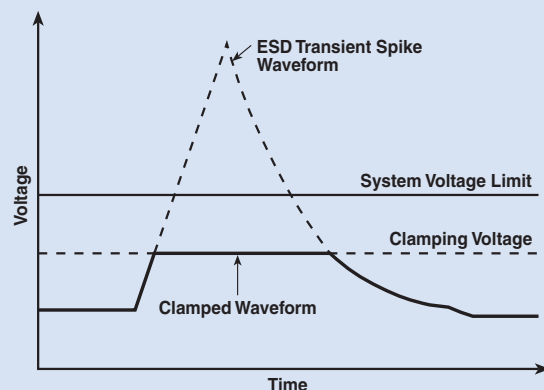
- RoHS compliant
- Lower installed cost
- Assists with FCC Part 15 A & B; and CISPR 22 compliance
- Drop-in replacement, matched footprint
- All circuit lines protected
- Inductor, capacitor or ESD versions
- Unshielded or shielded versions
- Select lead versions available
- High temperature versions available for reflow processes



Typical Impedance vs. Frequency (Ferrite Version)



Typical Time Voltage Curves (ESD Version)



Typical Time-Voltage Curve of Transient Spike on Integrated Protected Connector with Capacitance (Parts with Working Voltage Code starting with 0)

