

5G D-Sub Filtered Connector

Filter capable of 70 dB from 1 GHz to 6 GHz in a D-sub connector adapter form-factor.

Application

- Test enclosures for high frequency testing including 5G cellular hardware

Performance/Attributes

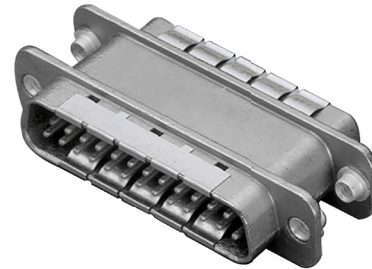
- Multi-pole circuit utilizing materials specifically designed for 5G cellular bands
- Coaxial filter design with all electrical connections soldered resulting in low ESR/ESL at frequencies up to 6 GHz and beyond
- Typical insertion loss 60 dB from 7 GHz to 10 GHz
- 25-pin adapter geometry perfect for test enclosures applications that require fast and easy 'plug and play' on both sides
- One-piece die-cast housing and integrated ground clips for more effective high-frequency shielding and shell to shell continuity
- Threaded inserts for easy installation
- RoHS compliant

Product Specifications

Dielectric Withstanding Voltage	150V
Working Voltage	50V
Temperature Range	-55 to 125°C
Capacitance levels	1000pF and 4000pF available

Installation Guidelines

The connector must be properly grounded to system ground. Spectrum Control recommends mounting with silver filled silicone gasket (volume resistivity of 0.001 ohm/cm typical) between the connector housing and chassis/backplane.



Filtered D-Sub Connectors Capabilities

- One-piece die-cast connector shells, unmatched high-frequency performance with shielded interface
- Compliance testing (EMC and environmental)
- Fully vertically integrated (USA manufactured ceramics)
- Low-cost manufacturing
- Product 100% tested for defined key parameters

