

5G D-Sub Filtered Connector

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

Application

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

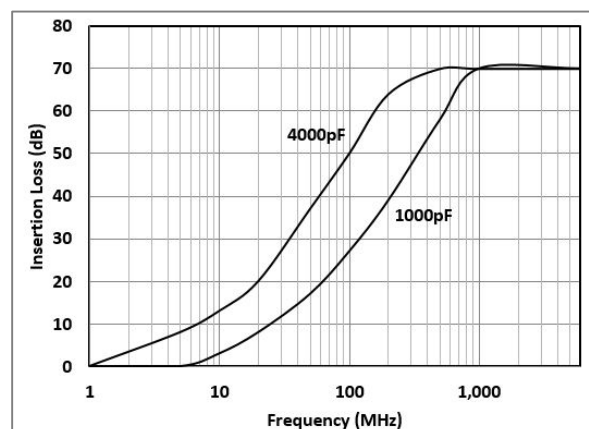
Performance/Attributes

- Four 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 6GHz and beyond
- 25-pin adaptor geometry perfect for test enclosure 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. APITech 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
- Facilities and process are AS9100 certified