

# 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

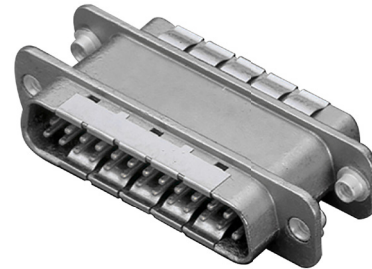
- Multi-pole circuit utilizing materials specifically designed for 5G cellular bands
- Coaxial filter design with all electrical connections soldered resulting in low ESR/ESL at frequencies up to 6 GHz and beyond
- Typical insertion loss 60 dB from 7 GHz to 10 GHz
- 25-pin adapter geometry perfect for 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. 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

