



1000pF Filtered DB25 M/F Bulkhead Connector

CONN156



Overview:

The CONN156 is a 25 Pin Bulkhead Male to Female 1000pF Pi Filtered D-Subminiature connector. This connector will provide RF filtering for many different applications. When selecting a DB25 interface, RF insertion loss is inverse to data speed allowed.

Applications:

- RF Shielded Test Enclosures or Screen Rooms.
- I²C data.
- Switching Circuits.
- Audio Circuits.
- Low voltage DC.
- Low voltage AC.

Features:

- Provides RF filtering to maintain an enclosure's high RF isolation level while providing a feed-through path for electrical circuits.
- Nickel plated metal construction to provide good RF bond to enclosure, screen room, or RF test equipment.
- Easy connection via standard serial cables.



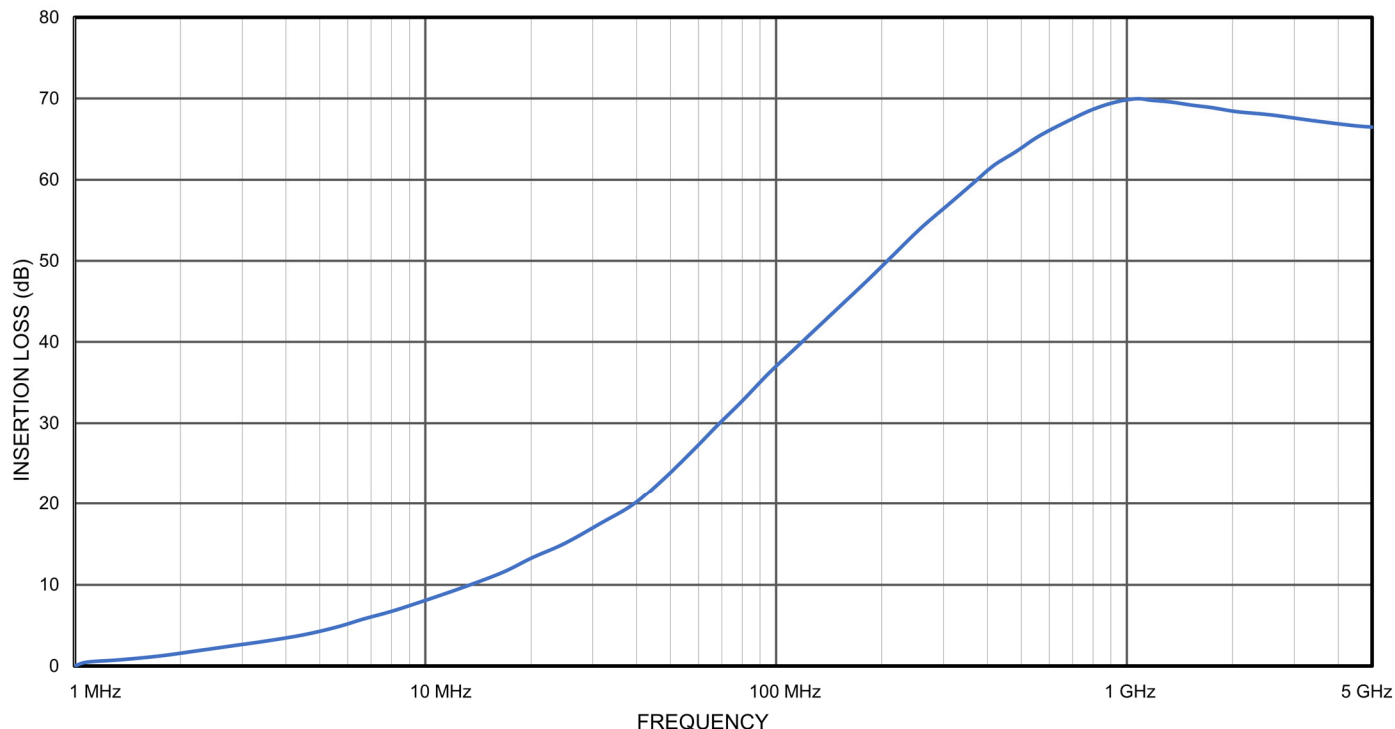
Specifications:

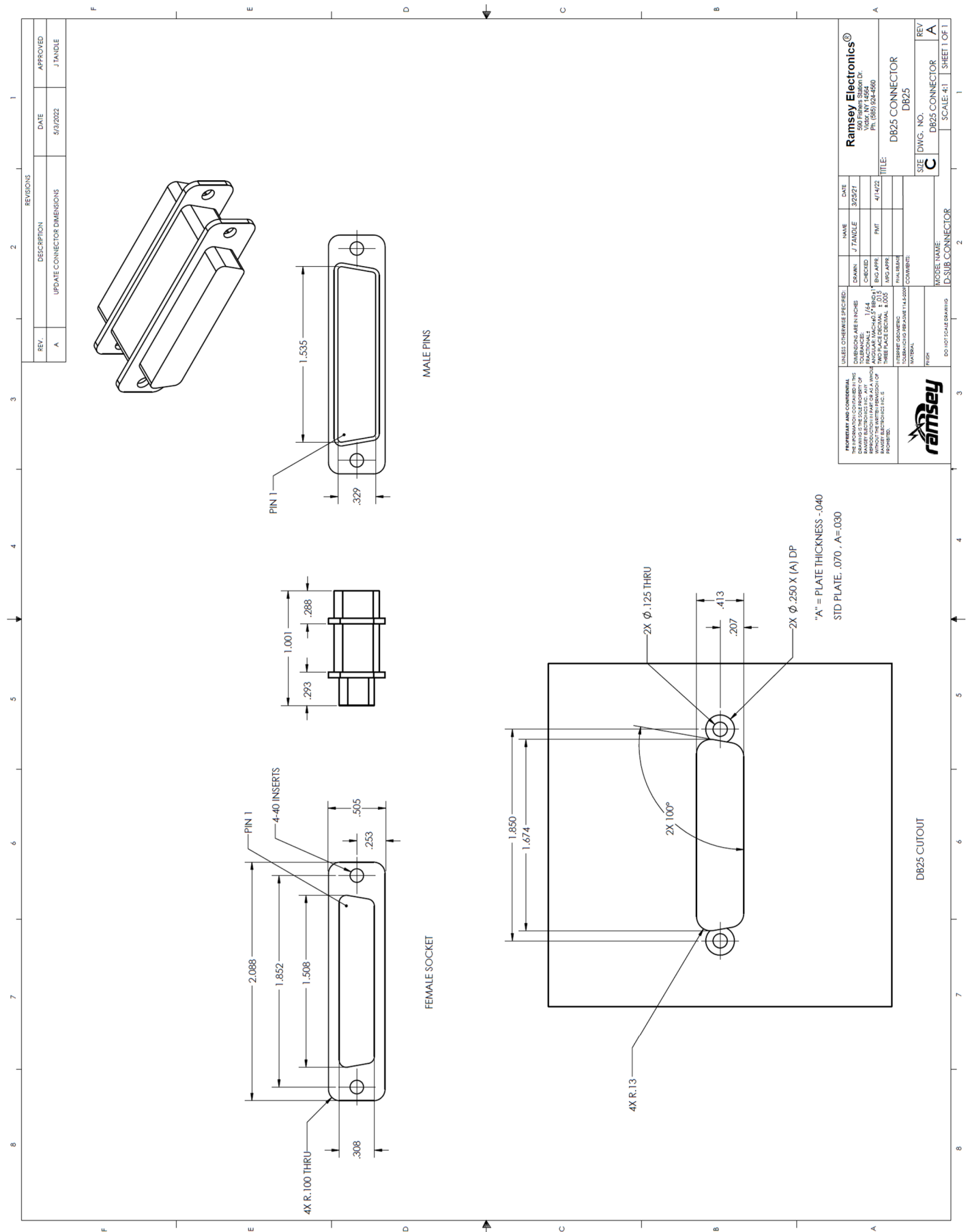
Electrical:
Working Voltage: 100VDC.
Maximum Current: 5 Amps.
RF Current: 0.3 Amps.
Contact Resistance: 10 Milliohms maximum.
Dielectric Withstanding Voltage: 300V.
Capacitance: 1000pF, +150% -0%.
Filter Type: Pi Filter.
3dB Cutoff Frequency: 3.2MHz maximum.
Filter Inductance: ~860nH between 100kHz and 1MHz.
Conductive Insertion Loss (Min): 17dB @ 50MHz.
27dB @ 100MHz.
58dB @ 500MHz.
70dB @ 1GHz.

Mechanical:

Pins: 25 Pins, Male/Female.
Operating Temperature: -55°C to +125°C.
Shell: Zinc or aluminum diecast, Nickel plated 150μ inches (3.8μm) min.
Pin Contacts: Copper Alloy, 15μ inches (.38μm) gold plated over nickel.
Socket Cup Contacts: Copper Alloy, 30μ inches (.76μm) gold plated over nickel.
Accepts 20 gauge wire.
Ground Plane: Brass, Solder plated.

Typical Insertion Loss





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