

**DATA SHEET**

# Connectorized Filter Assembly

## Applications

- LP/BP filter for GSM (featured); also covers other common wireless bands
- Diplexer/duplexer/HP filter
- E911 services
- Military/Homeland Security

## Features

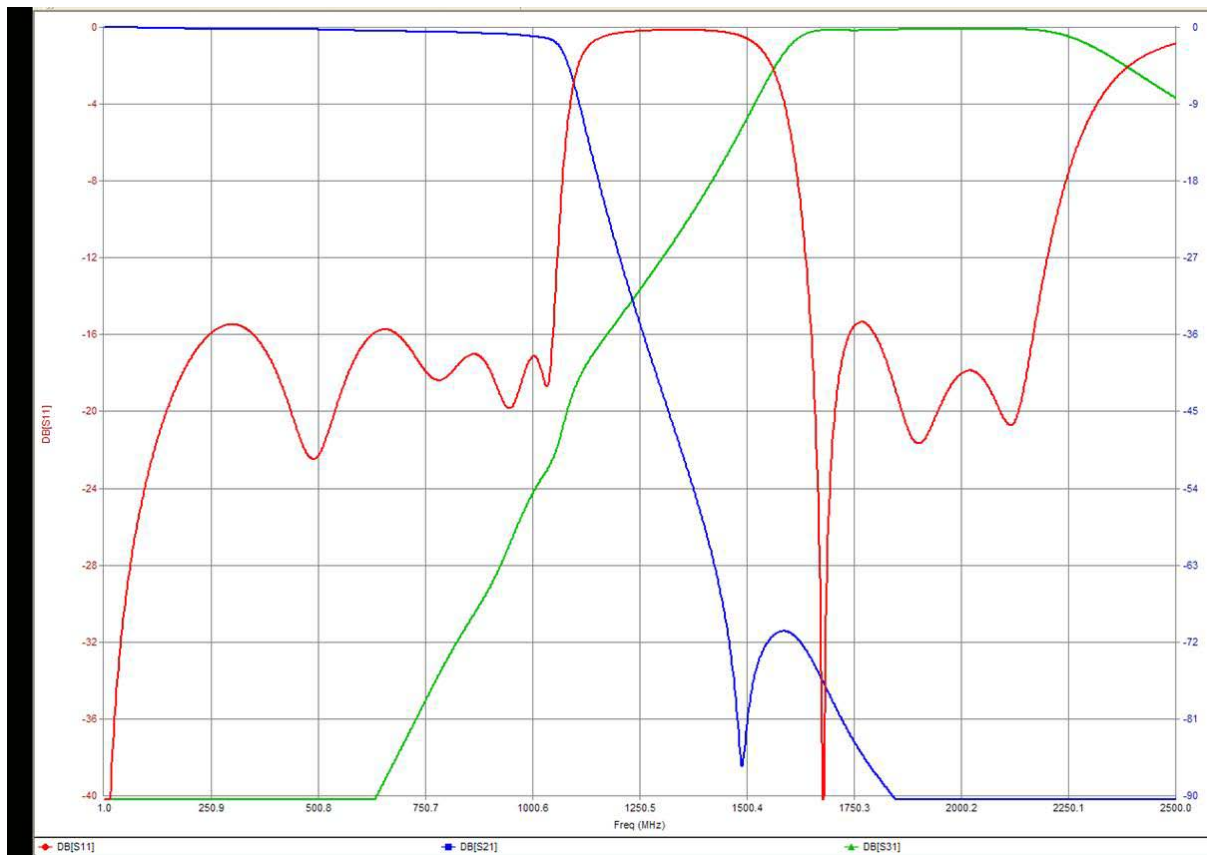
- Multiple wireless bands in one assembly (300 MHz – 3 GHz)
- Custom designs/connectors
- Rack mount capability
- Frequency stability
- High-Q ceramic
- Field replaceable



## Electrical Specifications

<i>Item</i>	<i>Band 1</i>	<i>Band 2</i>
Center frequency (F <sub>0</sub> )	836.5 MHz	1880.0 MHz
Poles	3	3
Bandwidth (BW)	43 MHz minimum	60 MHz minimum
Insertion loss	1 dB maximum	1 dB maximum
BW 1 and 2 ripple (any 6 MHz)	0.5 dB maximum	0.5 dB maximum
Passband return loss	10 dB minimum	10 dB minimum
Isolation	-55 dB minimum	-55 dB minimum
Impedance	50 Ω	50 Ω
Temperature	-10 °C to +65 °C	-10 °C to +65 °C

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**Figure 1: LP/BP Filter for GSM**

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