ISM (2.4 GHz) Single Channel Bandpass Filters

MFC offers a variety of single channel bandpass filters for use in Wi-Fi networks operating within the (2.4-2.5) GHz ISM band.

**Model 16692 Single Channel Bandpass Filter**
This compact bandpass filter isolates the desired channel from co-located, non-overlapping channels and other transmission sources.

**Specifications:**
- Channel Option: 1, 3, 6, 9, 11
- Channel Bandwidth: 22 MHz
- Channel Insertion Loss: 2 dB Typ
- Channel Return Loss: 15 MHz Min
- Bandwidth (3dB): 30 MHz
- Rejection (20 dB Typ): ±25 MHz from channel center
- Impedance: 50 ohms
- Power Rating: 50 Watts (CW)
- Connectors: N Female
- Operating Temperature Range: -40°C to +85°C
- Dimensions: 2.2”x2.2”x0.8”

**Model 16693 Single Channel (Ultra-Selective) Bandpass Filter**
This bandpass filter utilizes additional poles to isolate the desired channel from co-located, overlapping channels in addition to other transmission sources.

**Specifications:**
- Channel Option: 1, 3, 6, 9, 11
- Channel Bandwidth: 22 MHz
- Channel Insertion Loss: 3 dB Typ
- Channel Return Loss: 15 dB Min
- Rejection (20 dB Typ): ±15 MHz from channel center
- Impedance: 50 ohms
- Power Rating: 50 Watts (CW)
- Connectors: N Female
- Operating Temperature Range: -40°C to +85°C
- Dimensions: 4.3”x2.2”x0.8”

... and for those unenclosed, outdoor applications we also offer a weatherized version, **Model 16694**, with the same electrical performance as the model 16693 filter.