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.