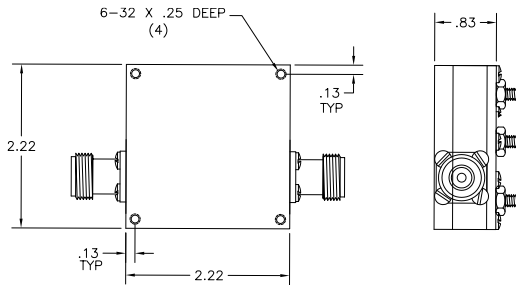


ISM (2.4 GHz) Single Channel Bandpass Filters

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.

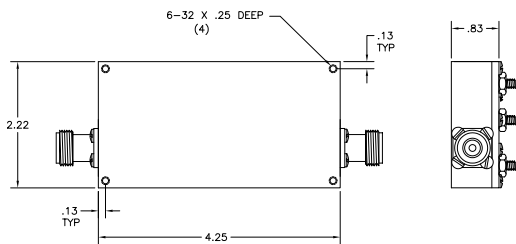
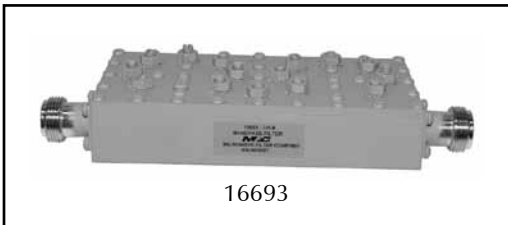


Model 16692 Single Channel Bandpass Filter

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"

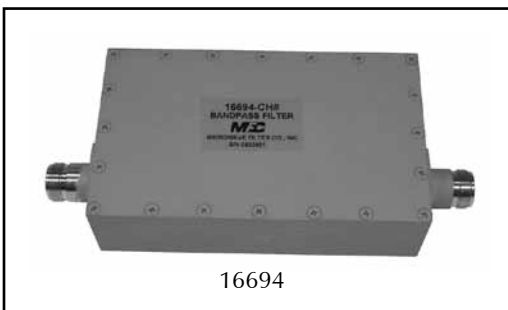


Model 16693 Single Channel (Ultra-Selective) Bandpass Filter

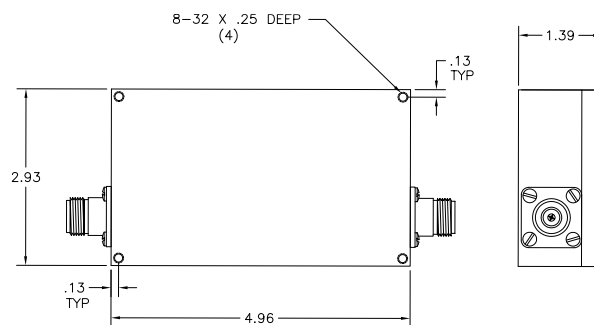
This bandpass filter utilizes additional poles to isolate the desired channel from co-located, overlapping channels in addition to other transmission sources.

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.



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