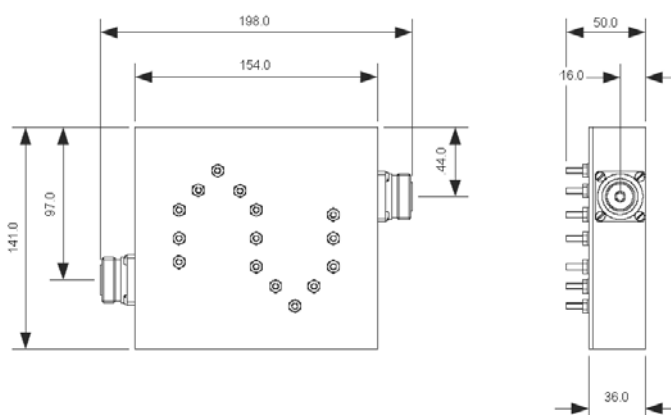


Bandpass Filters



DrawCom offers a wide range of spectrum dividing or bandpass filters to suit most applications in the range 30 - 2000 MHz. Helical filters are available to cover sub-bands within the range 30 - 500MHz. Combine filters are available to cover sub-bands within the range 140 - 2000MHz. Filters are configured to meet customer specific bandwidth requirements and are silver plated for excellent intermod performance and reduced insertion loss. All filters are set-up to customer specifications at the principals factory.

- High rejection
- Low insertion loss
- Good return loss
- Compact Combine designs
- High power Helical designs
- Nominal Impedance 50 Ohms
- VSWR 1.2:1
- Temperature Range -20 to +55 °C



02-011302

Selection Guide: Band Pass Filters 1710-1880 MHz

Part No.	02-011301	02-011302	02-011306	02-011307
Return Loss (dB)	> 20	> 20	> 20	> 20
Insertion Loss (dB)	< 0.5	< 0.5	***	< 0.5
Rejection 1920 - 2170MHz (dB)	> 60	> 60	> 20	> 60
Power Handling CW (W)	60	60	60	60
Connectors	Type-N F-F	7/16 DIN F-F	Type-N F-F	7/16 DIN F-M
Environmental	IP54	IP 65	IP54	IP 65

Selection Guide: Band Pass Filters 1710-1880 MHz

Part No.	02-011309	02-011904	02-014503	02-011905
Return Loss (dB)	> 20	> 20	> 20	> 20
Insertion Loss (dB)	< 0.5	< 0.4	< 0.4	< 0.5
Rejection 1920 - 2170MHz (dB)	> 60	> 20	> 35	> 60
Power Handling CW (W)	200	60	100	60
Connectors	7/16 DIN F-F	Type-N F-F	Type-N F-F	Type-N F-F
Environmental	IP54	IP54	IP54	IP54

*** - Dependant on the band-pass requirements

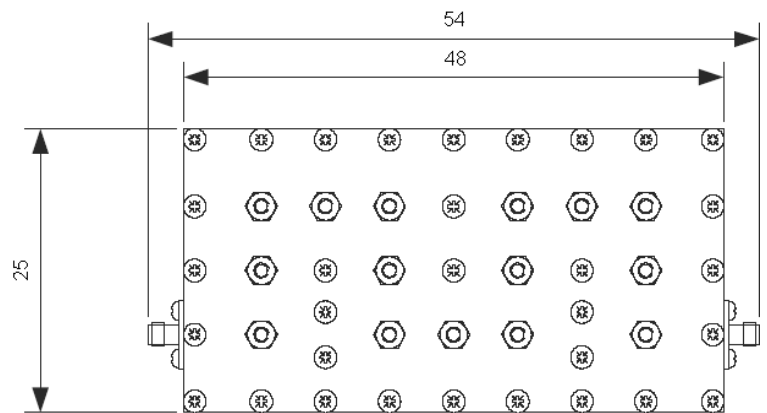
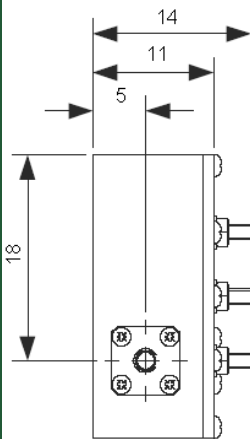
Bandpass Filters (cont.)

Selection Guide: Bandpass Filters 1710–1880 MHz

Part No.	02-015501	02-015504	02-015502	02-015505
Frequency Band (MHz)	1710–1785	1710–1785	1805-1880	1805-1880
Return Loss (dB)	> 20	> 20	> 20	> 20
Insertion Loss (dB)	< 1.0	< 1.0	< 1.0	< 1.0
Bandwidth (MHz)	Full Band	Full Band	Full Band	Full Band
Rejection (dB)	> 50 @ 1805-1880 MHz	> 50 @ 1805-1880 MHz	> 50 @ 1710–1785 MHz	> 50 @ 1710–1785 MHz
Connectors	Type-N F-F	SMA F-F	Type-N F-F	SMA F-F
Environmental	IP54	IP54	IP54	IP54

Selection Guide: Bandpass Filters 1920–2170 MHz

Part No.	02-011702	02-011704	02-011706	02-011708	02-011701	02-011703	02-011705	02-011707
Frequency Band (MHz)	1920-1980	1920-1980	1920-1980	1920-1980	2110-2170	2110-2170	2110-2170	2110-2170
Return Loss (dB)	> 20	> 20	> 20	> 20	> 20	> 20	> 20	> 20
Insertion Loss (dB)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bandwidth (MHz)	10	10	15	15	10	10	15	15
Rejection (dB)	> 60 at $f_o \pm 30$ MHz	> 60 at $f_o \pm 30$ MHz	> 60 at $f_o \pm 40$ MHz	> 60 at $f_o \pm 40$ MHz	> 60 at $f_o \pm 30$ MHz	> 60 at $f_o \pm 30$ MHz	> 60 at $f_o \pm 40$ MHz	> 60 at $f_o \pm 40$ MHz
Power Handling CW	60	60	60	60	60	60	60	60
Connectors	Type-N F-F	SMA F-F	Type-N F-F	SMA F-F	Type-N F-F	SMA F-F	Type-N F-F	SMA F-F
Environmental	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54



02-011703