

UHF Bandpass filter

1.7 kW rms, 8 Pole



PRODUCT FEATURES

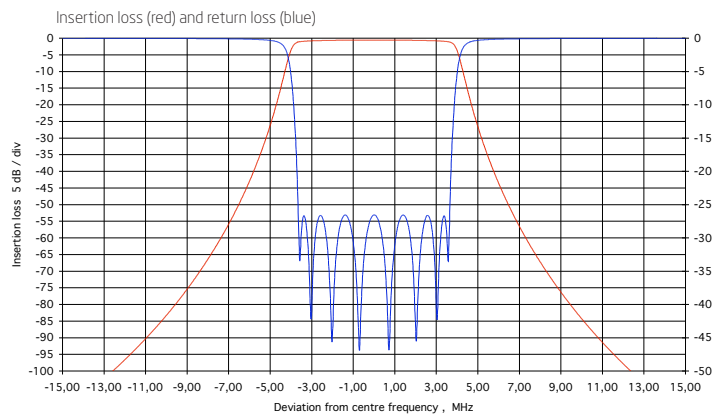
- Available with cross-coupling
- Flexible and compact
- 19" rack-mountable
- Combination of connections
- Extremely stable
- Low insertion loss
- Suitable for adjacent channels
- Possible critical mask compliant (depending on tx & tuning)
- Temperature compensated
- Retunable
- Adjustable bandwidth for 6, 7 or 8 MHz
- 10-year comprehensive warranty



PRODUCT PROFILE

Built with special space-saving techniques and combining many of the best elements from various technologies, this filter meets all of the demands of broadcasters today. Not only does it feature low loss, high rejection and temperature stability, but it is also very small in relation to output power. This allows for easy mounting in a 19" rack either separately or as part of a compact combiner system. For even greater convenience, the filter can be ordered with inputs and outputs of different sizes and types, enabling customers to mix and match connections to suit any need.

Eight Pole with cross-coupling in all make it possible to achieve critical mask compliance depending on tx performance. In addition, the sharp quality of this filter makes it ideal for use when combining adjacent channels.



Data in table is typical according to a standard tuned 8 MHz channel bandwidth. The filter can be tuned for other specifications or bandwidths, please contact us for a specification designed for your requirements.

All average power values and technical data refer to an ambient temperature of + 20-25 °C with normal air flow. The product will have a maximum surface temperature of + 60 °C. Maximum power capacity may be lower depending on channel allocation.

ARTICLE	BPF4-8C14-AA00		
FREQUENCY	470 - 860 MHz		
MAXIMUM INPUT POWER	1.7 kW rms		
IMPEDANCE	50 Ohm		
VSWR	<1.1 (>26 dB)	<1.17 (>22 dB)	<1.17 (>22 dB)
INSERTION LOSS	No Cross-coupling	Cross-coupling single	Cross-coupling double
Centre frequency	<0.55 dB	<0.55 dB	<0.50 dB
±3.8 MHz	<1.0 dB	<1.45 dB	<1.6 dB
±4.2 MHz	>2.5 dB	>11 dB	>15 dB
±6.0 MHz	>36 dB	>32 dB	>45 dB
±12.0 MHz	>90 dB	>70 dB	>60 dB
STANDARD CONNECTION	1 5/8" unflange		
OPTIONAL CONNECTIONS	3 1/8" unflange or 7/16 f/m		
DIMENSIONS AND WEIGHT			
DIMENSIONS	659 x 335 x 303 (max) mm (26 x 13.2 x 11.9 in)		
WEIGHT	~35 kg (77.2 lb)		