

UHF Bandpass filter

1 kW rms, 8 Cavities



PRODUCT FEATURES

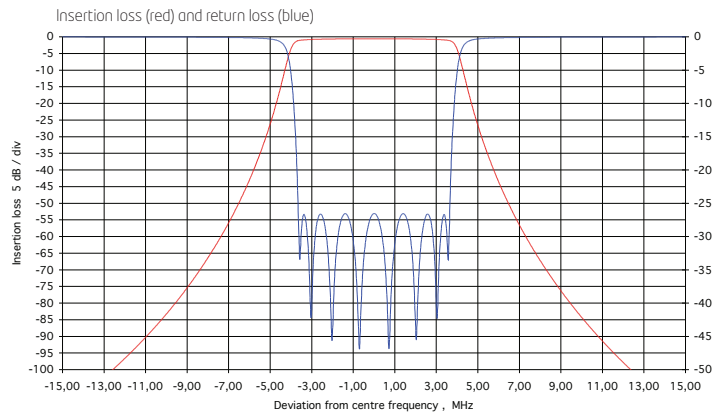
- Available with cross-coupling
- Flexible and compact
- 19" rack-mountable
- Any combination of connections
- Extremely stable
- Low insertion loss
- Suitable for adjacent channels
- Possible critical mask compliant (depending on tx & tuning)
- Temperature compensated
- Retunable
- Adjustable bandwidth 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 cavities 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.



ARTICLE	BPF4-8C14-AA00		
FREQUENCY	470 - 860 MHz		
MAXIMUM INPUT POWER	1.5 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 CONNECTIONS	EIA 1 5/8" unflanged		
OPTIONAL CONNECTIONS	EIA 3 1/8" unflanged or DIN 7/16 f/m		
DIMENSIONS	659 x 335 x 303 (max) mm (26 x 13.2 x 11.9 in)		
WEIGHT	~35 kg (77.2 lb)		