

# UHF Bandpass filter

250 W rms, 8 Pole

BAND IV-V

10  
year  
GUARANTEE



## PRODUCT FEATURES

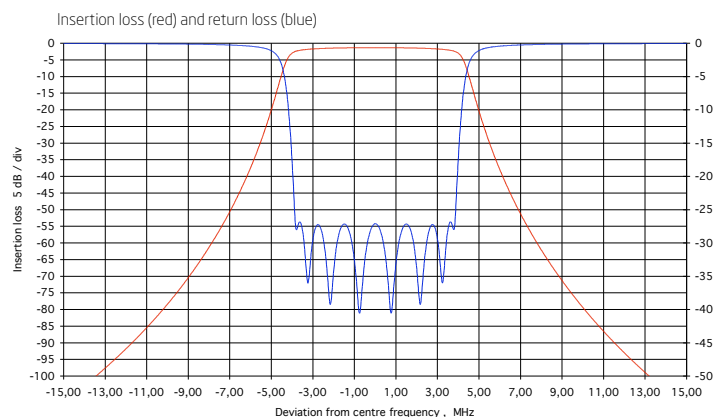
- Small size
- Compact design
- Low insertion loss
- Temperature compensated
- Retunable
- 10-year comprehensive warranty

## PRODUCT PROFILE

This low-power filter provides exceptional performance and system flexibility. It is tunable over the UHF band with 6, 7 and 8 MHz bandwidth without requiring any replacement of parts. The filter ensures excellent results in bandpass and channel combining applications. Temperature compensation for achieving even greater filter stabilization and reliability.

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	BPF4-8C05-AA00	BPF4-8C05-AB00
FREQUENCY	470 - 860 MHz	470 - 860 MHz
MAXIMUM INPUT POWER	250 W rms	250 W rms
IMPEDANCE	50 Ohm	50 Ohm
VSWR	<1.1 (>26 dB)	<1.1 (>26 dB)
<b>INSERTION LOSS, NARROWBAND</b>		
Centre frequency	<1.3 dB	<1.2 dB
±3.8 MHz	<2.5 dB	<3.7 dB
±4.2 MHz	>4.2 dB	>14 dB
±6.0 MHz	>37 dB	>32 dB
±12.0 MHz	>90 dB	>65 dB
STANDARD CONNECTION	7/8" unflange	7/8" unflange
OPTIONAL CONNECTIONS	7/16 m/f or N m/f	7/16 m/f or N m/f
<b>Cross-coupling</b>		
Centre frequency	<1.3 dB	<1.2 dB
±3.8 MHz	<2.5 dB	<3.7 dB
±4.2 MHz	>4.2 dB	>14 dB
±6.0 MHz	>37 dB	>32 dB
±12.0 MHz	>90 dB	>65 dB
<b>DIMENSIONS AND WEIGHT</b>		
DIMENSIONS	290 x 120 x 210-300 mm	290 x 120 x 210-300 mm
L x W x H	(11.4 x 4.7 x 8.3-11.8 in)	(11.4 x 4.7 x 8.3-11.8 in)
WEIGHT	6 kg (13.2 lb)	6 kg (13.2 lb)
OTHER	Black painted	Black painted