

UHF Bandpass filter

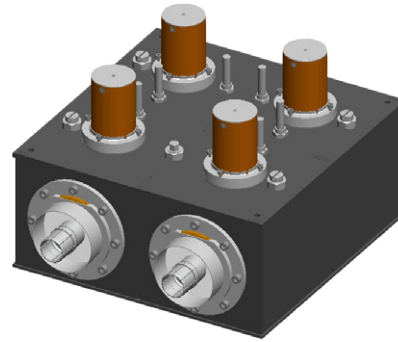
5 kW rms, 4 Pole

BAND IV-V

10 year GUARANTEE

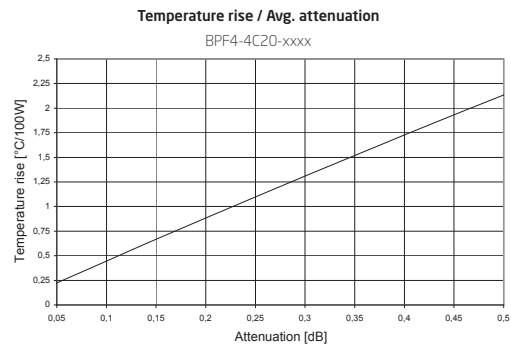
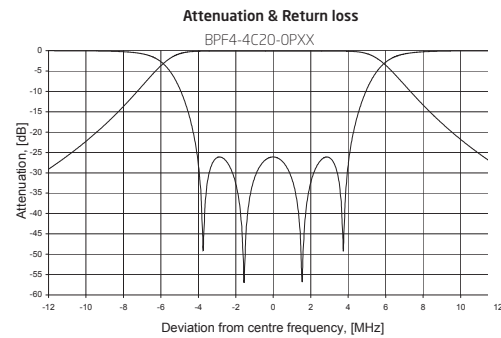
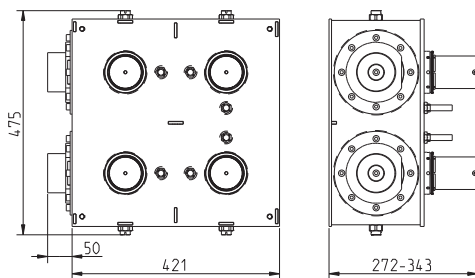
PRODUCT FEATURES

- Small size
- Retunable
- Compact design
- Low insertion loss
- Temperature compensated
- Available with cross-coupling
- 10-year comprehensive warranty



SPECIFICATIONS	200 mm Series
FREQUENCY	470 - 862 MHz
BANDWIDTH	6 - 8 MHz
STANDARD ORDER	4 Poles
OPTIONAL ORDER	4 Poles single cross coupling
ATV	Spurious suppress
DVB	Spurious suppress
ATSC	Non stringent mask
ISDB	Spurious suppress
IMPEDANCE	50 Ohm
VSWR	>26 dB (<1.11)
TEMPERATURE STABILITY	< 2 kHz / °C
MAX PRODUCT TEMPERATURE	70 °C
ENVIRONMENTAL CONDITION	-5 to 70 °C IP40
STANDARD CONNECTION	1 5/8" unflange
OPTIONAL CONNECTIONS	3 1/8" unflange, NAX 120

DIMENSIONS AND WEIGHT	
DIMENSIONS	471 x 475 x 272-343 mm (18.5 x 18.7 x 10.7-13.5 in)
WEIGHT	24 kg (52.9 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black



ARTICLE: BPF4-4C20-0P11

- BPF** = Filter type
- 4** = Frequency band
- 4** = Number of poles
- C** = Cavity based
- 20** = Cavity size
- 0** = Number of cross coupling
- P** = Coating
- 1** = Input connection
- 1** = Output connection

TYPICAL DATA*	8 MHz DVB-T	6 MHz ISDB-T	6 MHz ATSC
ARTICLE NO	BPF4-4C20-0P11	BPF4-4C20-0P11	BPF4-4C20-0P11
INSERTION LOSS			
Avg. signal bandwidth	<0.16 dB	<0.21 dB	<0.19 dB
Centre frequency	<0.16 dB	<0.21 dB	<0.19 dB
Signal band edge	± 3.8 MHz <0.19 dB ± 4.2 MHz >0.23 dB ± 6.0 MHz >3.50 dB ± 12.0 MHz >28 dB	± 2.79 MHz <0.24 dB ± 3.15 MHz >0.30 dB ± 4.5 MHz >3.50 dB ± 9.0 MHz >28 dB	± 2.69 MHz <0.21 dB ± 3.5 MHz >0.24 dB ± 6.0 MHz >6 dB ± 9.0 MHz >24 dB
GROUP DELAY	<25 ns	<30 ns	<15 ns
MAX INPUT POWER RATING**	5.0 kW / 13 dB (crest factor)	4.2 kW / 13 dB (crest factor)	4.7 kW / 11 dB (crest factor)
TEMPERATURE RISE	<0.7 °C / 100 W	<0.9 °C / 100 W	<0.8 °C / 100 W
MASK COMPLIANT	Spurious suppress	Spurious suppress	Non stringent mask

* Data in table is typical data at 666 MHz. To fulfil mask transmitter shoulder level must be >36 dB. The filter can be tuned for other specifications or bandwidth. Please contact us for a designed specification.
** Max input power at <50 °C temprice at max frequency