

UHF Bandpass filter

4.3 kW rms, 6 Pole

BAND IV-V

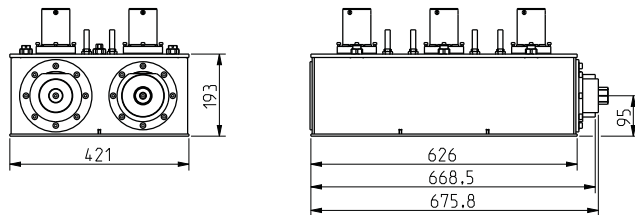
10 year GUARANTEE

PRODUCT FEATURES

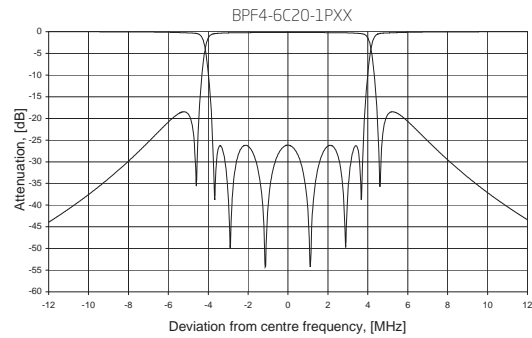
- Small size
- Retunable
- Compact design
- Low insertion loss
- Temperature compensated
- Available with cross-coupling
- 10-year comprehensive warranty



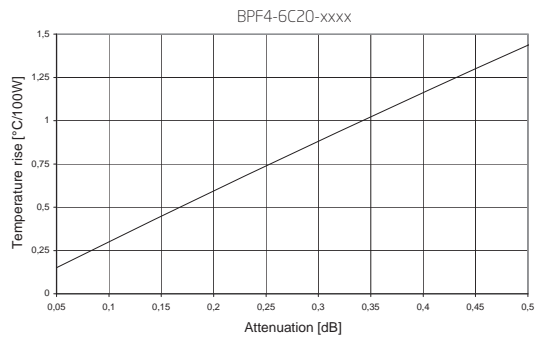
SPECIFICATIONS	200 mm Series
FREQUENCY	470 - 862 MHz
BANDWIDTH	6 - 8 MHz
STANDARD ORDER	6 Poles single cross coupling
OPTIONAL ORDER	6 Poles with or without double cross coupling
ATV	Spurious suppress
DVB	Non critical mask
ATSC	Stringent mask
ISDB	Non critical mask
IMPEDANCE	50 Ohm
VSWR	>26 dB (<1.11)
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	676 x 421 x 272-343 mm (26.6 x 16.6 x 10.7-13.5 in)
WEIGHT	34 kg (75 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black



Attenuation & Return loss



Temperature rise / Avg. attenuation



ARTICLE: BPF4-6C20-1P11

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

TYPICAL DATA*	8 MHz DVB-T/2	6 MHz ISDB-T	6 MHz ATSC
ARTICLE NO	BPF4-6C20-1P11	BPF4-6C20-1P11	BPF4-6C20-1P11
INSERTION LOSS			
Avg. signal bandwidth	<0.32 dB	<0.41 dB	<0.39 dB
Centre frequency	<0.24 dB	<0.34 dB	<0.35 dB
Signal band edge	± 3.88 MHz <0.95 dB (3,8 MHz 0,75 dB)	± 2.79 MHz <0.63 dB	± 2.69 MHz <0.49 dB
	± 4.2 MHz >5 dB	± 3.15 MHz >1 dB	± 3.5 MHz >1.30 dB
	± 6.0 MHz >16 dB	± 4.5 MHz >17 dB	± 6.0 MHz >29 dB
	± 12.0 MHz >41 dB	± 9.0 MHz >47 dB	± 9.0 MHz >63 dB
GROUP DELAY	<330 ns	<155 ns	<75 ns
MAX INPUT POWER RATING**	4.3 kW / 13 dB (crest factor)	3.3 kW / 13 dB (crest factor)	3.4 kW / 11 dB (crest factor)
TEMPERATURE RISE	<0.9 °C / 100 W	<1.2 °C / 100 W	<1.1 °C / 100 W
MASK COMPLIANT	Non critical mask	Non critical mask	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