

UHF Bandpass filter

3 kW rms, 6 Pole

BRAND IV-V

10 year GUARANTEE

PRODUCT FEATURES

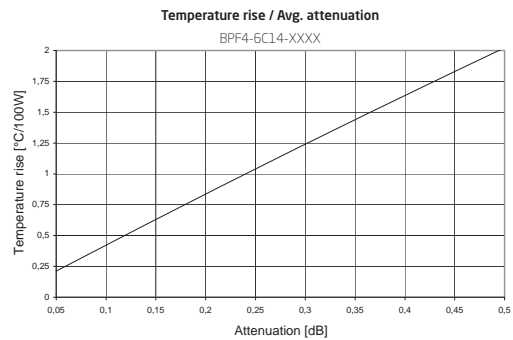
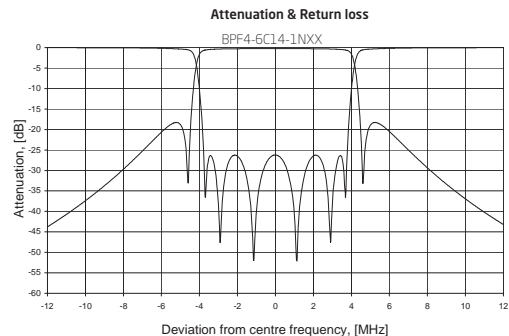
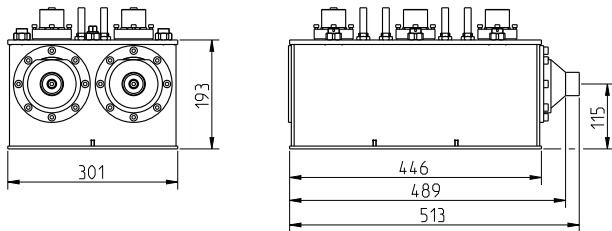
- Small size
- Retunable
- Compact design
- Low insertion loss
- Temperature compensated
- Available with cross-coupling
- 10-year comprehensive warranty



SPECIFICATIONS	140 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
ENVIROMENTAL CONDITION	-5 to 70 °C IP40
STANDARD CONNECTION	1 5/8" unflange
OPTIONAL CONNECTIONS	7/16 m/f, 3 1/8" unflange

DIMENSIONS AND WEIGHT

DIMENSIONS	513 x 301 x 245-315 mm (20.2 x 11.9 x 9.6-12.4 in)
WEIGHT	25 kg (55.1 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black



ARTICLE: BPF4-6C14-1N11

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

TYPICAL DATA*	8 MHz DVB-T/2	6 MHz ISDB-T	6 MHz ATSC
ARTICLE NO	BPF4-6C14-1N11	BPF4-6C14-1N11	BPF4-6C14-1N11
INSERTION LOSS			
Avg. signal bandwidth	<0.33 dB	<0.40 dB	<0.40 dB
Centre frequency	<0.25 dB	<0.35 dB	<0.35 dB
Signal band edge	± 3.88 MHz <0.95 dB (3,8 MHz 0,75 dB)	± 2.79 MHz <0.61 dB	± 2.69 MHz <0.49 dB
	± 4.2 MHz >5 dB	± 3.15 MHz >1.10 dB	± 3.5 MHz >1.35 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	<320 ns	<150 ns	<75 ns
MAX INPUT POWER RATING**	3.0 kW / 13 dB (crest factor)	2.4 kW / 13 dB (crest factor)	2.4 kW / 11 dB (crest factor)
TEMPERATURE RISE	<1.3 °C / 100 W	<1.6 °C / 100 W	<1.6 °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