

UHF Bandpass filter

3 kW rms, 4 Pole

BAND IV-V

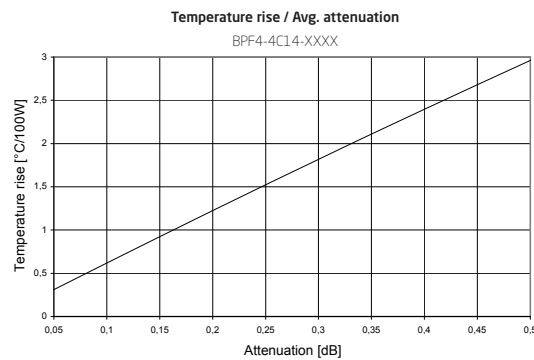
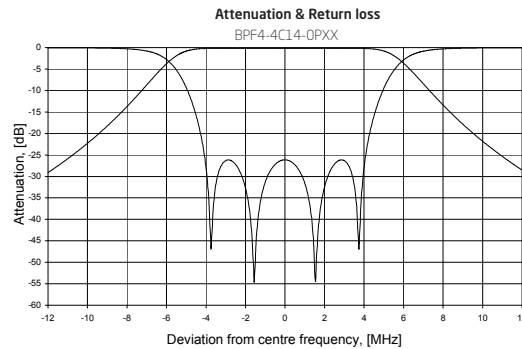
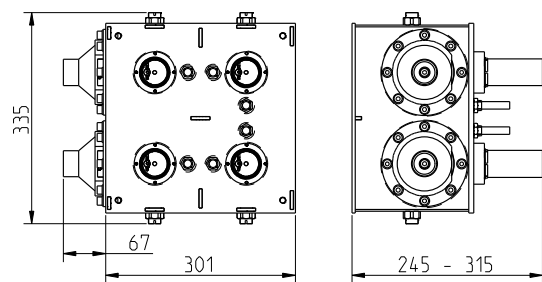
10 year GUARANTEE

PRODUCT FEATURES

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



SPECIFICATIONS	140 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	7/16 m/f, 3 1/8" unflange
DIMENSIONS AND WEIGHT	
DIMENSIONS	368 x 335 x 245-315 mm (14.5 x 13.2 x 9.6-12.4 in)
WEIGHT	18 kg (39.7 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black



ARTICLE: BPF4-4C14-0P11

- BPF** = Filter type
4 = Frequency band
4 = Number of poles
C = Cavity based
14 = 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	BPF4-4C14-0P11	BPF4-4C14-0P11	BPF4-4C14-0P11
INSERTION LOSS			
Avg. signal bandwidth	<0.20 dB	<0.26 dB	<0.23 dB
Centre frequency	<0.20 dB	<0.25 dB	<0.23 dB
Signal band edge	± 3.8 MHz <0.24 dB ± 4.2 MHz >0.31 dB ± 6.0 MHz >4 dB ± 12.0 MHz >28 dB	± 2.79 MHz <0.30 dB ± 3.15 MHz >0.36 dB ± 4.5 MHz >3.60 dB ± 9.0 MHz >28 dB	± 2.69 MHz <0.26 dB ± 3.5 MHz >0.32 dB ± 6.0 MHz >6 dB ± 9.0 MHz >24 dB
GROUP DELAY	<25 ns	<30 ns	<15 ns
MAX INPUT POWER RATING**	3.0 kW / 13 dB (crest factor)	2.5 kW / 13 dB (crest factor)	2.8 kW / 11 dB (crest factor)
TEMPERATURE RISE	<1.2 °C / 100 W	<1.6 °C / 100 W	<1.4 °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 >35 dB. The filter can be tuned for other specifications or bandwidth. Please contact us for a designed specification.

** Max input power at <50 °C temp at max frequency