

UHF Bandpass filter

650 W rms, 6 Pole

BAND IV-V

10 year GUARANTEE

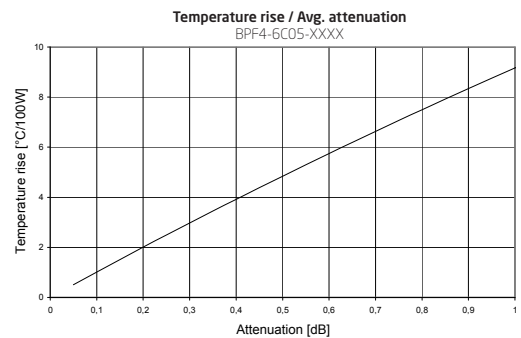
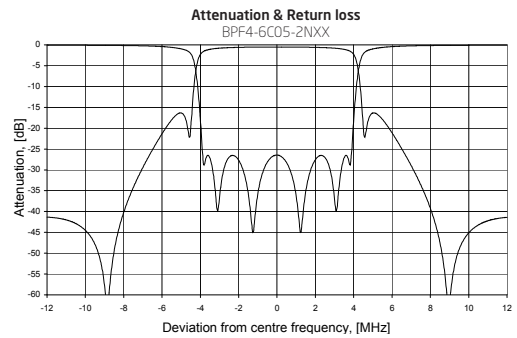


PRODUCT FEATURES

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

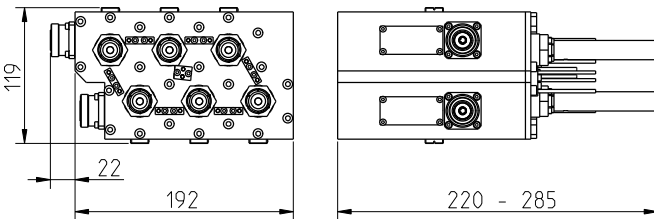
SPECIFICATIONS	50 mm Series
FREQUENCY	470 - 862 MHz
BANDWIDTH	6 - 8 MHz
STANDARD ORDER	6 Poles double cross coupling
OPTIONAL ORDER	6 Poles with or without single cross coupling
ATV	Spurious suppress
DVB	Non critical mask
ATSC	Stringent mask
ISDB	Non critical mask
IMPEDANCE	50 Ohm
VSWR	>26 dB (<1.11)
TEMPERATURE STABILITY	< 2 kHz / °C
MAX PRODUCT TEMPERATURE	70 °C
ENVIRONMENTAL CONDITION	-5 to 70 °C IP40
STANDARD CONNECTION	7/16 female
OPTIONAL CONNECTIONS	7/16 m, N-f/m, 7/8" unflanged

DIMENSIONS AND WEIGHT	
DIMENSIONS	214 x 119 x 220-285 mm
L x W x H	(8.4 x 4.7 x 8.7-11.2 in)
WEIGHT	4.6 kg (10.1 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black



ARTICLE: BPF4-6C05-2NAA

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



TYPICAL DATA*	8 MHz DVB-T	6 MHz ISDB-T	6 MHz ATSC
ARTICLE NO	BPF4-6C05-2NAA	BPF4-6C05-2NAA	BPF4-6C05-2NAA
INSERTION LOSS			
Avg. signal bandwidth	<0.7 dB	<0.8 dB	<0.9 dB
Centre frequency	<0.55 dB	<0.65 dB	<0.8 dB
Signal band edge	± 3.8 MHz <1.5 dB ± 4.2 MHz >5 dB ± 6.0 MHz >16 dB ± 12.0 MHz >41 dB	± 2.79 MHz <1.25 dB ± 3.15 MHz >1.9 dB ± 4.5 MHz >17 dB ± 9.0 MHz >47 dB	± 2.69 MHz <1.15 dB ± 3.5 MHz >2 dB ± 6.0 MHz >29 dB ± 9.0 MHz >63 dB
GROUP DELAY	<210 ns	<85 ns	<75 ns
MAX INPUT POWER RATING**	650 W / 13 dB (crest factor)	550 W / 13 dB (crest factor)	500 W / 11 dB (crest factor)
TEMPERATURE RISE	<7.0 °C / 100 W	<7.5 °C / 100 W	<8.5 °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