

UHF Bandpass filter

1 kW rms, 6 Pole

BAND IV-V

10 year GUARANTEE

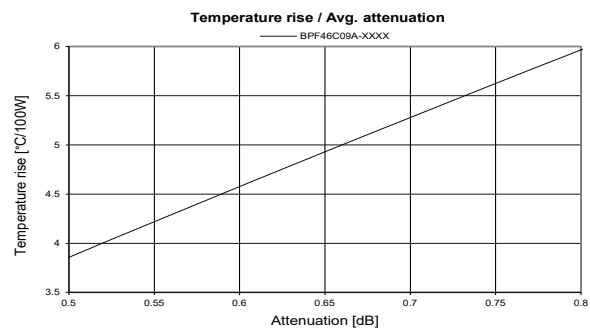
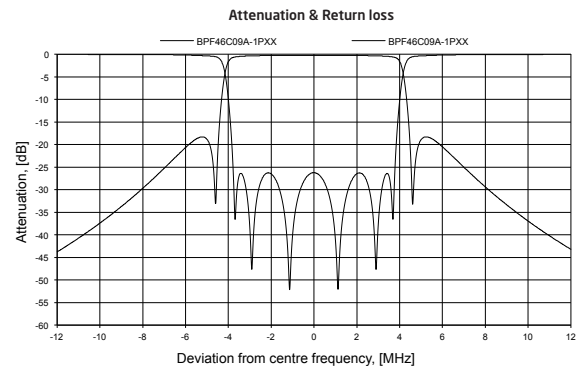
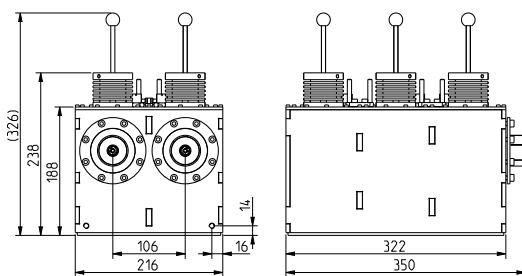
PRODUCT FEATURES

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



SPECIFICATIONS	94 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 (male)
OPTIONAL CONNECTIONS	N m/f, 7/16 m/f, 7/8" unflange

DIMENSIONS AND WEIGHT	
DIMENSIONS	350 x 216 x 250-326 mm
L x W x H	(13.8 x 8.5 x 8.7-12.8 in)
WEIGHT	8.7 kg (19.2 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black



TYPICAL DATA*	8 MHz DVB-T/2	6 MHz ISDB-T	6 MHz ATSC
ARTICLE NO	BPF46C09A-1PHH	BPF46C09A-1PHH	BPF46C09A-1PHH
INSERTION LOSS			
Avg. signal bandwidth	<0.58 dB	<0.62 dB	<0.70 dB
Centre frequency	<0.48 dB	<0.57 dB	<0.69 dB
Signal band edge	± 3.88 MHz <1.70 dB (3,8 MHz 1,4 dB)	± 2.79 MHz <0.96 dB	± 2.69 MHz <0.91 dB
	± 4.2 MHz >4.00 dB	± 3.15 MHz >1.00 dB	± 3.5 MHz >1.00 dB
	± 6.0 MHz >16.0 dB	± 4.5 MHz >17.0 dB	± 6.0 MHz >29.0 dB
	± 12.0 MHz >41.0 dB	± 9.0 MHz >47.0 dB	± 9.0 MHz >63.0 dB
GROUP DELAY	<235 ns	<110 ns	<70 ns
MAX INPUT POWER RATING**	1.0 kW / 13 dB (crest factor)	0.89 kW / 13 dB (crest factor)	0.8 kW / 11 dB (crest factor)
TEMPERATURE RISE	<4.4 °C / 100 W	<4.7 °C / 100 W	<5.3 °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 >37 dB. The filter can be tuned for other specification or bandwidth, please contact us for a designed specification.
 ** Max input power at <50 °C temprice at max frequency