

UHF Bandpass filter

840 W rms, 8 Pole

BAND IV-V

10 year GUARANTEE

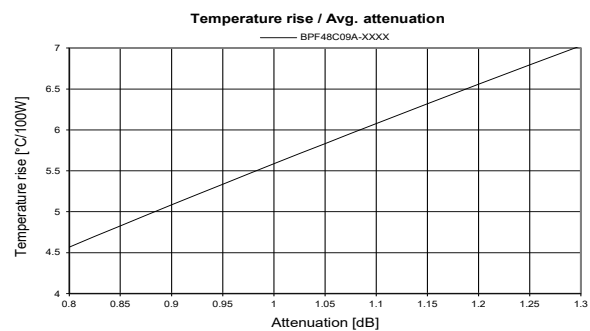
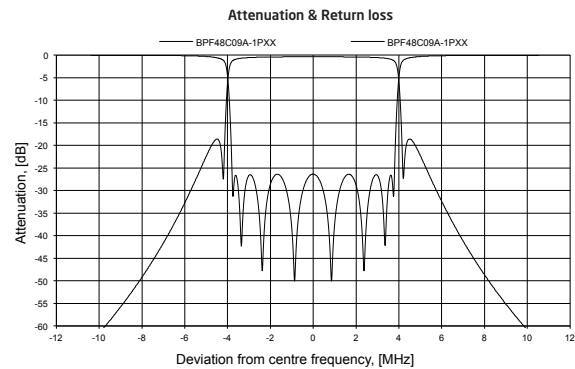
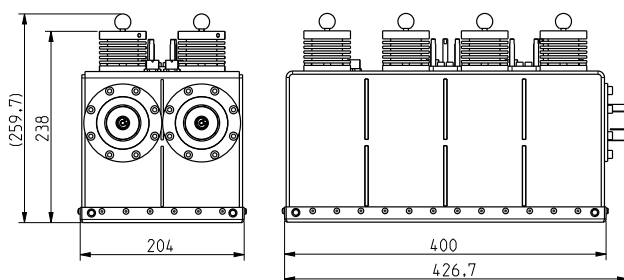
PRODUCT FEATURES

- 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	8 Poles single cross coupling
OPTIONAL ORDER	8 Poles with or without cross coupling
ATV	Spurious suppres
DVB	Critical mask
ATSC	Stringent mask
ISDB	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	430 x 216 x 250-326 mm
L x W x H	(16.9 x 8.5 x 8.7-12.8 in)
WEIGHT	11.6 kg (25.6 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	BPF48C09A-1PHH	BPF48C09A-1PHH	BPF48C09A-1PHH
INSERTION LOSS			
Avg. signal bandwidth	<0.90 dB	<1.19 dB	<0.93 dB
Centre frequency	<0.72 dB	<0.99 dB	<0.85 dB
Signal band edge	± 3.88 MHz <2.85 dB (3,8 MHz 2,2 dB)	± 2.79 MHz <2.65 dB	± 2.69 MHz <1.30 dB
	± 4.2 MHz >14.0 dB	± 3.15 MHz >14.0 dB	± 3.5 MHz >2.30 dB
	± 6.0 MHz >26.0 dB	± 4.5 MHz >31.0 dB	± 6.0 MHz >29.0 dB
	± 12.0 MHz >51.0 dB	± 9.0 MHz >61.0 dB	± 9.0 MHz >63.0 dB
GROUP DELAY	<380 ns	<450 ns	<105 ns
MAX INPUT POWER RATING**	0.84 kW / 13 dB (crest factor)	0.66 kW / 13 dB (crest factor)	0.81 kW / 11 dB (crest factor)
TEMPERATURE RISE	<5.1 °C / 100 W	<6.5 °C / 100 W	<5.2 °C / 100 W
MASK COMPLIANT	Critical mask	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