

DAB/DMB Bandpass filter

600 W rms, 6 Pole

BAND III

10 year GUARANTEE

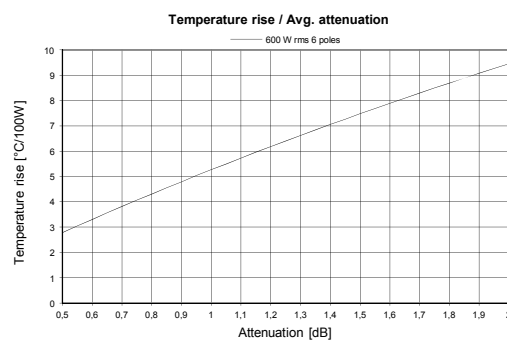
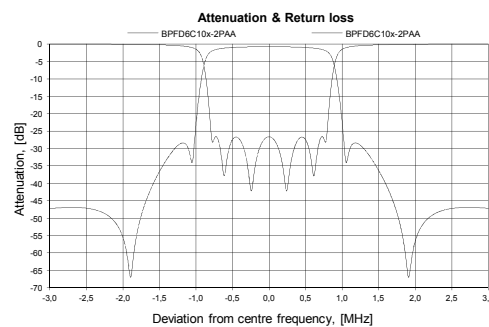
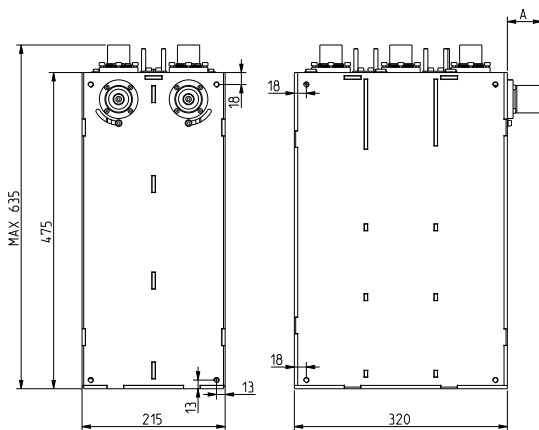
PRODUCT FEATURES

- Compact design
- Retunable
- Low insertion loss
- Temperature compensated
- 10-year comprehensive warranty

SPECIFICATIONS	100 mm Series	Option
FREQUENCY	174 - 240 MHz	-
BANDWIDTH	1.54 MHz	-
STANDARD ORDER	6 poles, 2 cross coupling	-
DAB	Critical Mask	-
IMPEDANCE	50 Ohm	-
RETURN LOSS (VSWR)	>26 dB (<1.1)	-
TEMPERATURE STABILITY	< ± 1 kHz / °C	-
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIROMENTAL CONDITION	-5 to 70 °C IP40	-
CONNECTIONS	1 5/8" unflange	DIN 7/16, 7/8" unflange

DIMENSIONS AND WEIGHT

DIMENSIONS	372 x 215 x max 635 mm
L x W x H	(14.7 x 8.5 x max 25 in)
WEIGHT	20 kg (44 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black



TYPICAL DATA*	DAB/DMB
ARTICLE NO	BPF6C10x-2P11
INSERTION LOSS	
Avg. signal bandwidth	<1.00 dB
Centre frequency	<0.80 dB
Signal band edge	± 0.77 MHz <1.90 dB
	± 0.97 MHz >15.0 dB
	± 1.75 MHz >45.0 dB
	± 2.2 MHz >45.0 dB
	± 3.0 MHz >45.0 dB
GROUP DELAY	<900 ns
MAX INPUT POWER RATING**	600 W / 11 dB (crest factor)
TEMPERATURE RISE	<5.3 °C / 100 W
MASK COMPLIANT	Critical Mask

ARTICLE: BPF6C10A-2P11

- BPF** = Filter type
D = Frequency band
6 = Number of poles
C = Cavity based
10 = Cavity size
A = Version
2 = Number of cross coupling
P = Coating and cooling
1 = Input connection
 A= 7/16 female, B= 7/16 male
 7= 7/8" unflange, 1= 1 5/8" unflange
1 = Output connection
 A= 7/16 female, B= 7/16 male
 7= 7/8" unflange, 1= 1 5/8" unflange

* Data in table is typical data at 205 MHz. To fulfil mask transmitter shoulder level must be >36 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. Data are subjected to change without prior notice.