

# DAB/DMB Bandpass filter

## 1,5 kW rms, 6 Pole

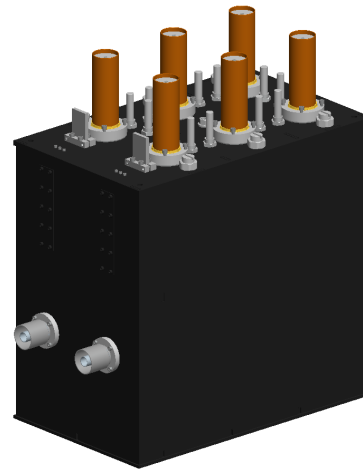
BAND III

10 year  
GUARANTEE

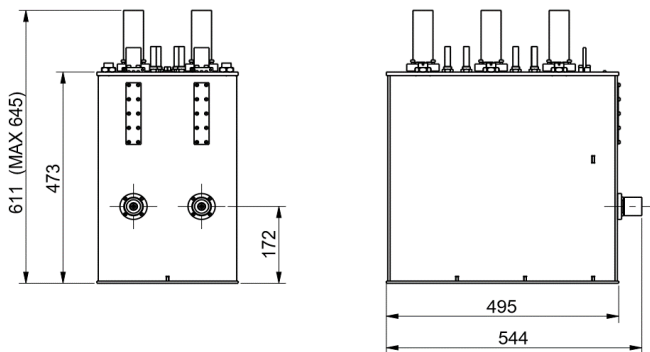
### PRODUCT FEATURES

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

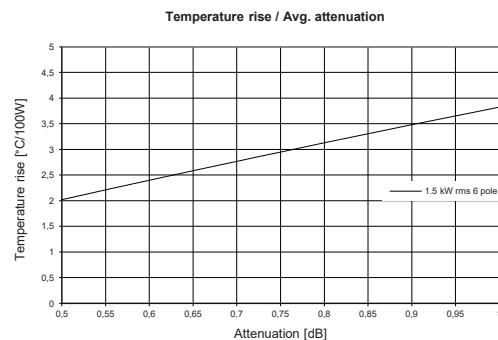
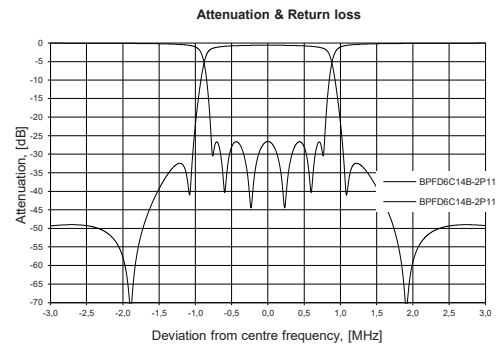
SPECIFICATIONS	140 mm Series	Option
FREQUENCY	174 - 240 MHz	-
BANDWIDTH	1.54 MHz	-
STANDARD ORDER	6 poles, 2 cross coupling	-
DAB	Critical Mask	Non Critical Mask
IMPEDANCE	50 Ohm	-
RETURN LOSS (VSWR)	>26 dB (<1.1)	-
TEMPERATURE STABILITY	< ± 1 kHz / °C	-
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIROMENTAL CONDITION	-5 to 70 °C IP40	-
CONNECTIONS	1 5/8" unflange	DIN 7/16, 7/8" unflange



DIMENSIONS AND WEIGHT	
DIMENSIONS	301 x 544 x max 645 mm
L x W x H	(11.9 x 21.4 x max 25.4 in)
WEIGHT	34 kg (75 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black



TYPICAL DATA*	DAB/DMB
ARTICLE NO	BPFD6C14x-2Pxx
<b>INSERTION LOSS</b>	
Avg. signal bandwidth	<0.77 dB
Centre frequency	<0.61 dB
Signal band edge	± 0.77 MHz <1.50 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
<b>GROUP DELAY</b>	
	<900 ns
<b>MAX INPUT POWER RATING**</b>	
	1500 W / 11 dB (crest factor)
<b>TEMPERATURE RISE</b>	
	<3.0 °C / 100 W
<b>MASK COMPLIANT</b>	
	Critical Mask



### ARTICLE: BPFD6C14B-2P11

- BPF** = Filter type  
**D** = Frequency band  
**6** = Number of poles  
**C** = Cavity based  
**14** = Cavity size  
**B** = 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.