

DAB/DMB Bandpass filter

3 kW rms, 6 Pole



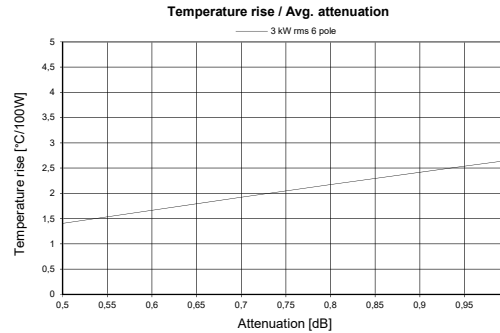
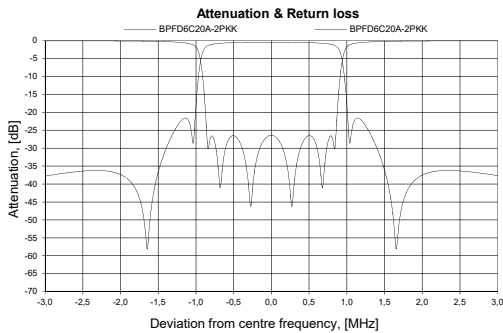
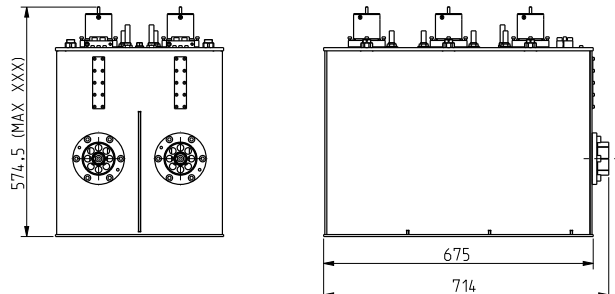
PRODUCT FEATURES

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



SPECIFICATIONS	200 mm Series	Option
FREQUENCY	174 - 240 MHz	-
BANDWIDTH	1.54 MHz	-
STANDARD ORDER	6 poles, cross coupling	Without 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	3 1/8" unflange male	-

DIMENSIONS AND WEIGHT	
DIMENSIONS	714 x 421 x max 650 mm
L x W x H	(28.1 x 16.6 x max 25.6 in)
WEIGHT	47 kg (104 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black



TYPICAL DATA*	DAB/DMB
ARTICLE NO	BPF6C20A-2PKK
INSERTION LOSS	
Avg. signal bandwidth	<0.83 dB
Centre frequency	<0.55 dB
Signal band edge	± 0.77 MHz <1.30 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**	
	3000 W / 11 dB (crest factor)
TEMPERATURE RISE	
	<1.5 °C / 100 W

ARTICLE: BPF6C20A-2PKK

- BPF** = Filter type
- D** = Frequency band
- 6** = Number of poles
- C** = Cavity based
- 20** = Cavity size
- A** = Version
- 2** = Number of cross coupling
- P** = Coating and cooling
- 3** = Input connection
- 3** = Output connection

* 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.