

DAB/DMB Bandpass filter

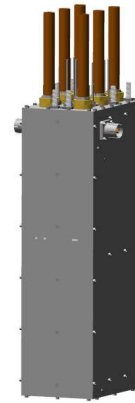
300 W rms, 6 Pole

BAND III

10 year GUARANTEE

PRODUCT FEATURES

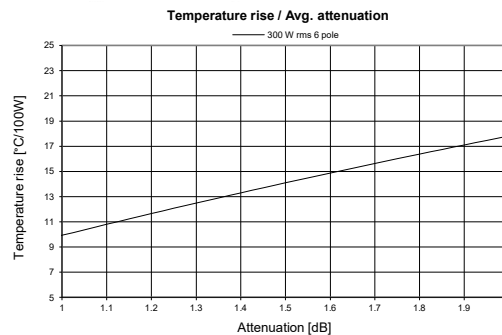
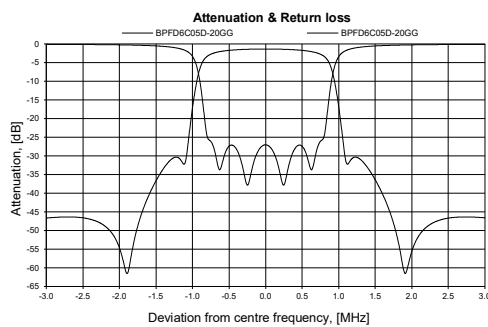
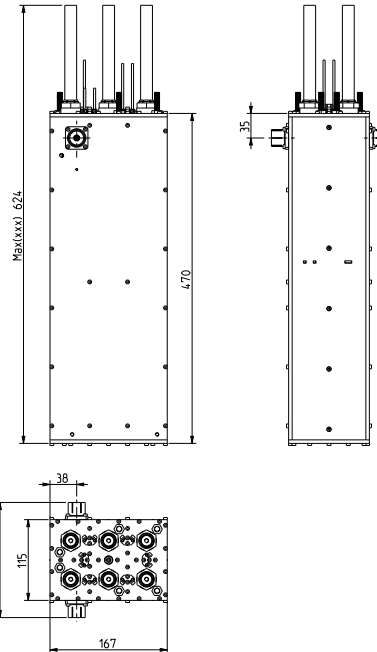
- Compact design
- Retunable
- Low insertion loss
- Temperature compensated
- 10-year comprehensive warranty



SPECIFICATIONS	50 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	7/8" unflange male	DIN 7/16 female

DIMENSIONS AND WEIGHT

DIMENSIONS	167 x 115 x max 650 mm
L x W x H	(6.6 x 4.6 x max 25.6 in)
WEIGHT	8.5 kg (18.7 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Aluminum



TYPICAL DATA*	DAB/DMB	
ARTICLE NO	BPF6C05D-20GG	
INSERTION LOSS		
Avg. signal bandwidth	<1.69 dB	
Centre frequency	<1.40 dB	
Signal band edge	± 0.77 MHz	<3.00 dB
	± 0.97 MHz	>12.0 dB
	± 1.75 MHz	>45.0 dB
	± 3.0 MHz	>45.0 dB
GROUP DELAY		
	<650 ns	
MAX INPUT POWER RATING**		
	300 W / 11 dB (crest factor)	
TEMPERATURE RISE		
	<15.6 °C / 100 W	
MASK COMPLIANT		
	Critical Mask (Case1)	ETSI EN 302 077-2

ARTICLE: BPF6C05D-20GG

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

* Data in table is typical data at 205 MHz. To fulfil mask compliant, transmitter shoulder level must be >36 dB. The reference spectrum includes shoulder of -36dB@±0.97MHz linearly decreasing to -40dB@±1.75MHz, -44dB@±2.2MHz and -50dB@±3.0MHz. 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