

DAB Bandpass filter

50 W rms, 6 Pole

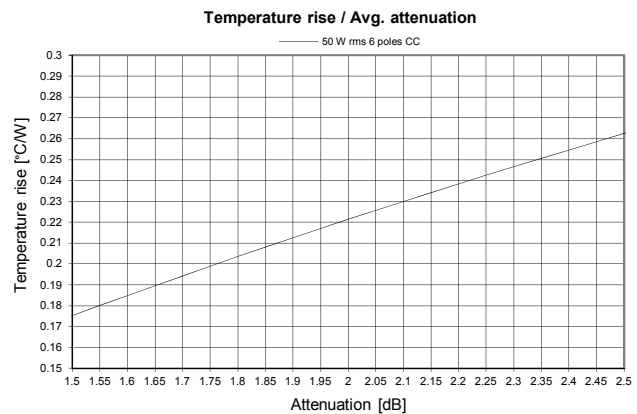
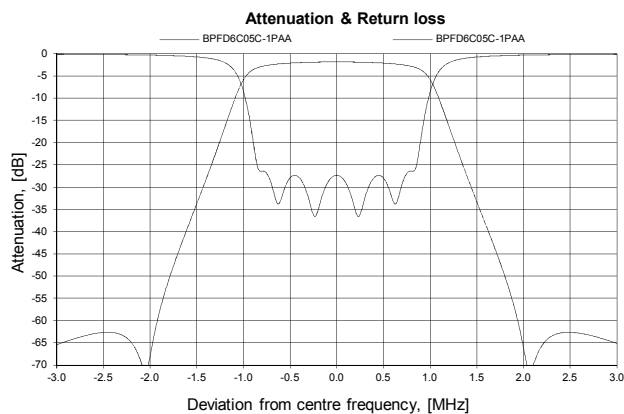


PRODUCT FEATURES

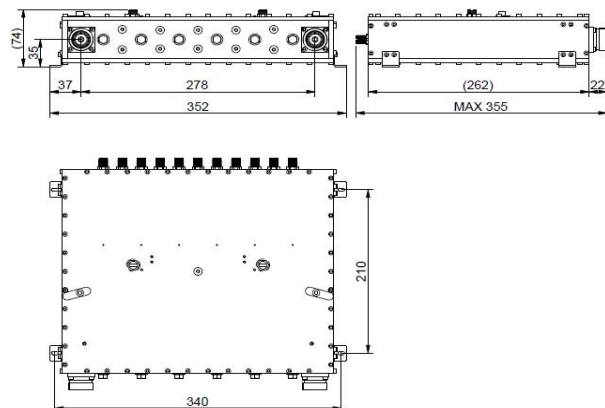
- Compact design
- Low insertion loss
- Temperature compensated
- 10-year comprehensive warranty

SPECIFICATIONS	50 mm Series
FREQUENCY	174 - 240 MHz
BANDWIDTH	1.54 MHz
NUMBER/SIZE OF CAVITIES	6/50
DAB	Uncritical Mask
IMPEDANCE	50 Ohm
RETURN LOSS (VSWR)	> 23 dB (<1.15)
TEMPERATURE STABILITY	< ±3 kHz / °C
MAX PRODUCT TEMPERATURE	50 °C
ENVIRONMENTAL CONDITION	-5 to 50 °C IP40
CONNECTORS	7/16 Female
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black

DIMENSIONS AND WEIGHT	
DIMENSIONS	355 x 355 x 75 mm
L x W x H	(14 x 14 x 3 in)
WEIGHT	5 kg (11lb)



TYPICAL DATA*	DAB
ARTICLE NO	BPF6C05C-1PAA
INSERTION LOSS	
Avg. signal bandwidth	<2.30 dB
Centre frequency	<2.10 dB
Signal band edge	± 0.77 MHz <3.00 dB
	± 0.97 MHz >5.00 dB
	± 1.75 MHz >40.0 dB
	± 2.20 MHz >60.0 dB
	± 3.00 MHz >60.0 dB
GROUP DELAY	<300 ns
MAX INPUT POWER RATING**	50 W / 11 dB (crest factor)
TEMPERATURE RISE	<12.1 °C / 50 W
MASK COMPLIANT	Non Critical mask



* Data in table is typical data at 200 MHz. To fulfil mask transmitter shoulder level must be >36 dB.
 The filter can be tuned for other specifications or bandwidths, please contact us for a specific design.
 ** Max input power at < 12 °C temperature rise at max frequency. Data are subjected to change without prior notice.