

# FM Bandpass filter

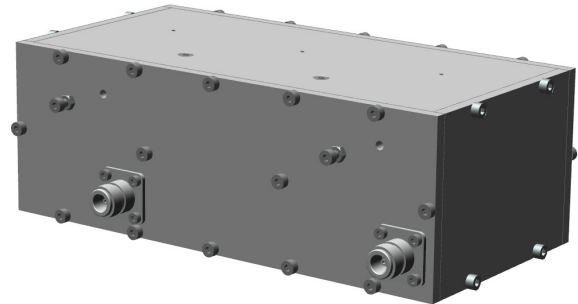
## 75 W, RX / TX, 3 Pole

BAND II

10 year GUARANTEE

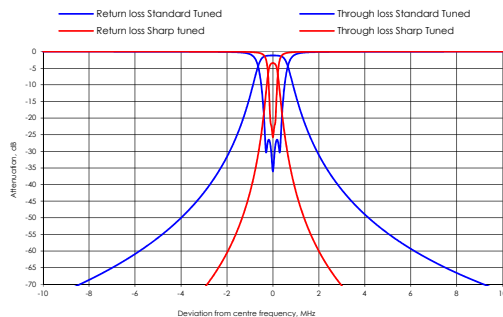
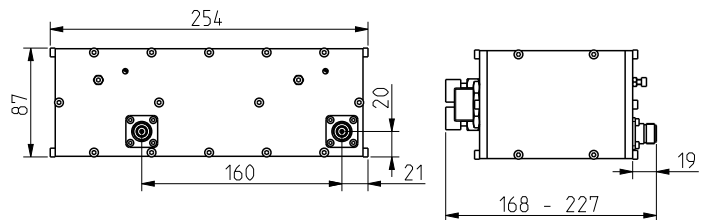
### PRODUCT FEATURES

- Flexible design
- Retunable 87 - 108 MHz
- Fits in 19" rack
- Optimised as RX filter as well as TX filter application
- 10-year comprehensive warranty



SPECIFICATIONS	70 mm Series	Optional
FREQUENCY	87 - 108 MHz	-
STANDARD ORDER	3 poles	-
IMPEDANCE	50 Ohm	-
TEMPERATURE STABILITY	< 5 kHz / °C	-
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIROMENTAL CONDITION	0 to 70 °C IP40	-
CONNECTIONS	N female	N male

DIMENSIONS AND WEIGHT	
DIMENSIONS	200 x 254 x 87 mm
L x W x H	(7.9 x 10.0 x 3.4 in)
WEIGHT	3 kg (6.6 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" front panel, Mounting brackets
COLOUR	Aluminum gray



### Article structure: ARTICLE: BPF23C07A-00CC

**BPF** = Filter Type  
**2** = Frequency band  
**3** = Number of poles  
**C** = Cavity based  
**07** = Cavity size  
**A** = Version  
  
**0** = Number of cross coupling  
**0** = No Coating  
**C** = Input connection  
 C= N female, D= N male  
**C** = Output connection  
 C= N female, D= N male

TYPICAL DATA*	Wide tuned	Sharp tuned
ARTICLE NO	BPF23C07x-00xx	BPF23C07x-00xx
RETURN LOSS (VSWR)	>26 dB (<1.10)	>23 dB (<1.15)
<b>INSERTION LOSS</b>		
Centre frequency	<1.10 dB	<2.40 dB
Effective passband @ ± 200 kHz	<1.10 dB	<2.40 dB
± 150 kHz	<1.10 dB	<2.60 dB
± 200 kHz	<1.10 dB	<3.00 dB
± 0.4 MHz	>1.10 dB	>8.00 dB
± 0.6 MHz	>2.00 dB	>17.0 dB
± 0.8 MHz	>5.00 dB	>24.0 dB
± 1.0 MHz	>10.0 dB	>30.0 dB
± 1.2 MHz	>14.0 dB	>35.0 dB
± 1.5 MHz	>19.0 dB	>40.0 dB
± 2.0 MHz	>27.0 dB	>48.0 dB
± 2.5 MHz	>33.0 dB	>54.0 dB
± 3.0 MHz	>37.0 dB	>58.0 dB
<b>GROUP DELAY VARIATION</b>		
± 150 kHz	<10 ns	<110 ns
(typical) ± 200 kHz	<20 ns	<200 ns
MAX INPUT POWER RATING**	75 W rms	35 W rms
TEMPERATURE RISE	3 °C / 10 W	6 °C / 10 W

\* Data in table is typical data at 100 MHz. The filter can be tuned for other specification or bandwidth, please contact us for a designed specification.

\*\* All average power values and technical data refer to an ambient temperature of + 20 °C with normal air flow. The product can have a maximum surface temperature of + 70 °C. Maximum power capacity may be lower depending on channel allocation. Data are subjected to change without prior notice.