VHF AIS/ VDES Bandpass filter
75 W, 4 Pole

Exir Broadcasting
*YOUR PARTNER FOR PASSIVE RF COMPONENTS*

PRODUCT FEATURES

- Flexible design
- Retunable
- Fits in 19" rack
- Optimised as RX filter as well as TX filter application
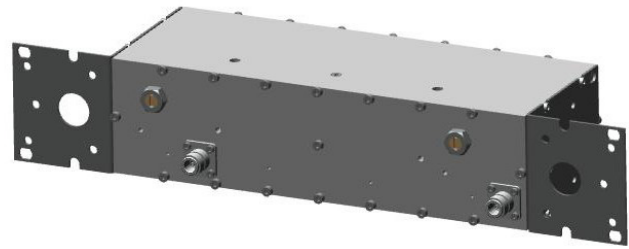
SPECIFICATIONS	70 mm Series	Optional
FREQUENCY	159.25 MHz	Other tunings at request
STANDARD ORDER	4 poles	-
IMPEDANCE	50 Ohm	-
TEMPERATURE STABILITY	< 5 kHz / °C	-
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIROMENTAL CONDITION	0 to 70 °C IP40	-
CONNECTIONS	N female	N male

DIMENSIONS AND WEIGHT	
DIMENSIONS	210-230 x 483 x 88 mm
L x W x H	(8.3-9.1 x 19.0 x 3.5 in)
WEIGHT	4 kg (8.8 lb)
STANDARD FRAME	19" mounting brackets
OPTIONAL FRAME	Stand alone (without brackets)
COLOUR	Aluminum gray

Typical performance
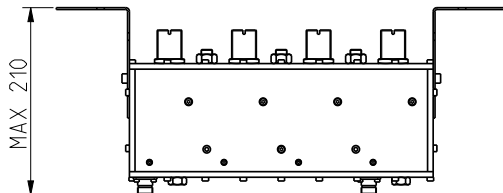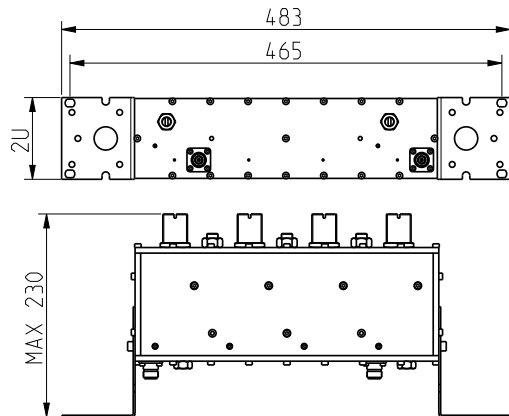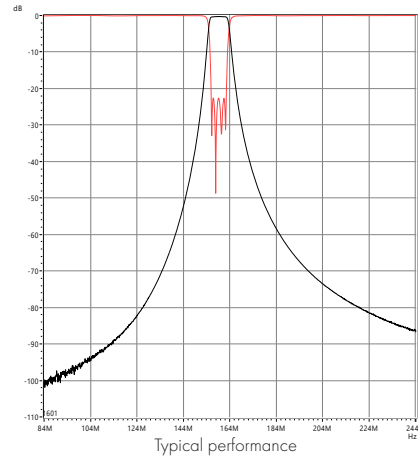
19" rack mount brackets for rear connections.
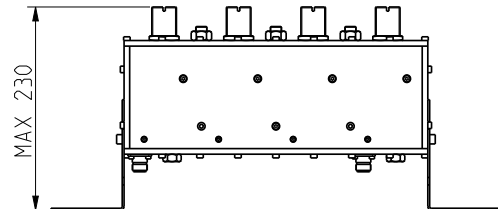
19" rack mount brackets for front connections.

TYPICAL DATA*		Standard tuned
ARTICLE NO		BPM4C07000A-CC
RETURN LOSS (VSWR), Centre frequency		>21 dB (<1.19)
Average ± 3.25 MHz		>22 dB (<1.17)
INSERTION LOSS		
Centre frequency @ 159.25 MHz		<0.40 dB
Effective passband @ ± 3.25 MHz		<0.40 dB
	± 3.25 MHz	<0.50 dB
Rejection	87.50 MHz	>90.0 dB
	108.0 MHz	>90.0 dB
	174.0 MHz	>40.0 dB
	240.0 MHz	>80.0 dB
GROUP DELAY VARIATION (typical)	± 3.25 MHz	<60 ns
MAX INPUT POWER RATING**		75 W rms
TEMPERATURE RISE		3 °C / 10 W

Article structure:
ARTICLE: BPM4C07000A-CC

BP = Filter Type

M = Frequency band
M = Marine band

4 = Number of poles

C = With/ without temp. comp.
C = without temperature compensation

07 = Filter size

0 = Grade
0 = Natural aluminumerature compensation

0 = Number of cross coupling

0 = Frame/ option

A = Version

C = Input connection
C= N female, D= N male

C = Output connection
C= N female, D= N male

* Data in table is typical data at 159.25 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 + 20-25 °C with normal air flow. The product can have a maximum surface temperature of + 70 °C. Data are subjected to change without prior notice.