

VHF VDE Bandpass filter

75 W, 3 Pole

PRODUCT FEATURES

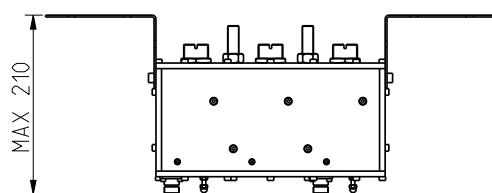
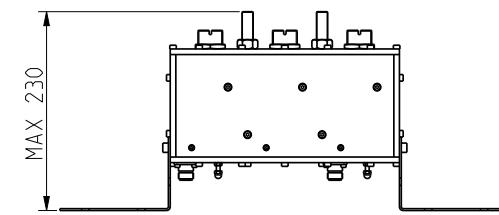
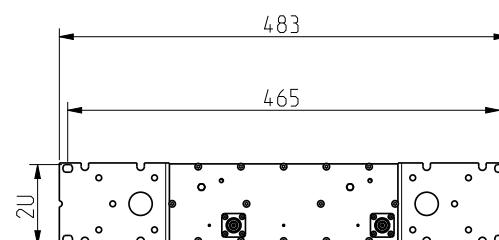
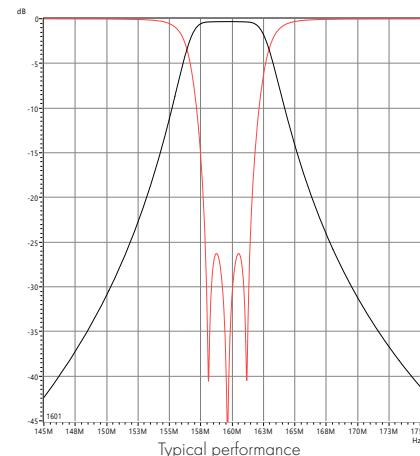
- Flexible design
- Retunable
- Fits in 19" rack
- Optimised as RX filter as well as TX filter application



SPECIFICATIONS	70 mm Series	Optional
FREQUENCY	159.65 MHz	Other tunings at request
STANDARD ORDER	3 poles	-
IMPEDANCE	50 Ohm	-
TEMPERATURE STABILITY	< 5 kHz / °C	-
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIRONMENTAL CONDITION	0 to 70 °C IP40	-
CONNECTIONS	N female	N male

DIMENSIONS AND WEIGHT

DIMENSIONS	210-230 x 483 x 88 mm (8.3-9.1 x 19.0 x 3.5 in)
WEIGHT	3 kg (6.6 lb)
STANDARD FRAME	19" mounting brackets
OPTIONAL FRAME	Stand alone (without brackets)
COLOUR	Aluminum gray



19" rack mount brackets for rear connections.

TYPICAL DATA*	Standard tuned
ARTICLE NO	BPM3C07000A-CC
RETURN LOSS (VSWR), Centre frequency	>26 dB (<1.10)
Average ± 2.45 MHz	>20 dB (<1.22)
INSERTION LOSS	
Centre frequency @ 159.65 MHz	<0.45 dB
Effective passband @ ± 2.45 MHz	<0.60 dB
± 2.45 MHz	<1.00 dB
± 3.25 MHz	>3.00 dB
± 5.00 MHz	>10.0 dB
± 10.0 MHz	>28.0 dB
$+ 159.65$ MHz (2nd harmonic)	>60.0 dB
$+ 319.3$ MHz (3rd harmonic)	>40.0 dB
GROUP DELAY VARIATION	± 2.45 MHz
(typical)	<45 ns
MAX INPUT POWER RATING**	75 W rms
TEMPERATURE RISE	3 °C / 10 W

Article structure: ARTICLE: BPM3C07000A-CC

BP= Filter Type
M = Frequency band
3 = Marine band
3 = Number of poles
C = With/ without temp. comp.
07 = without temperature compensation
0 = Filter size
0 = Grade
0 = Natural aluminum
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 159.65 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.