

# VHF AIS/ VDES Bandpass filter

200 W, 2 pole

## PRODUCT FEATURES

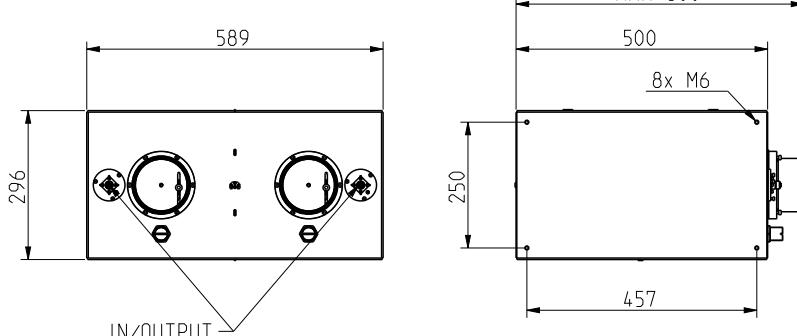
- Flexible design
- Tunable
- Temperature compensated
- Optimised as RX filter as well as TX filter application



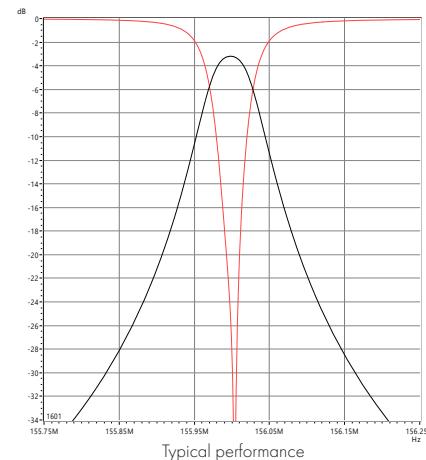
SPECIFICATIONS	290 mm Series	Optional
FREQUENCY	156 -163 MHz	Other tunings at request
STANDARD ORDER	2 poles	-
IMPEDANCE	50 Ohm	-
TEMPERATURE STABILITY	< 0.5 kHz / °C	-
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIRONMENTAL CONDITION	0 to 70 °C IP40	-
CONNECTIONS	N female	N male

## DIMENSIONS AND WEIGHT

DIMENSIONS	600 (max) x 589 x 296 mm (23.6 x 23.2 x 11.7 in)
WEIGHT	21 kg (46.3 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	Side/front plates, brackets
COLOUR	Frosted black



TYPICAL DATA*	Standard tuned	Sharp tuned
ARTICLE NO	BPM2K30P00A-CC	BPM2K30P00A-CC
RETURN LOSS (VSWR), Centre frequency	>22 dB (<1.17)	>22 dB (<1.17)
Average ± 10 kHz	>20 dB (<1.22)	>20 dB (<1.22)
INSERTION LOSS		
Centre frequency	<3.3 dB	<4.0 dB
Effective passband ± 10 kHz	<3.5 dB	<4.2 dB
Rejection		
± 75 kHz	>13 dB	>20 dB
± 150 kHz	>25 dB	>30 dB
± 200 kHz	>30 dB	>35 dB
± 250 kHz	>35 dB	>40 dB
87 - 108 MHz	>90 dB	>90 dB
170 - 240 MHz	>90 dB	>90 dB
GROUP DELAY VARIATION (typical)	<200 ns	<300 ns
MAX INPUT POWER RATING**	200 W rms	200 W rms



## Article structure:

ARTICLE: BPM2K30P00A-CC

BPM = Filter Type

M = Frequency band

M = Marine band

2 = Number of poles (incl. notch)

K = With/ without temp. comp.

K = with temperature compensation

30 = Filter size

P = Grade

P = Black painted

O = Number of cross coupling

O = 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 156 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.