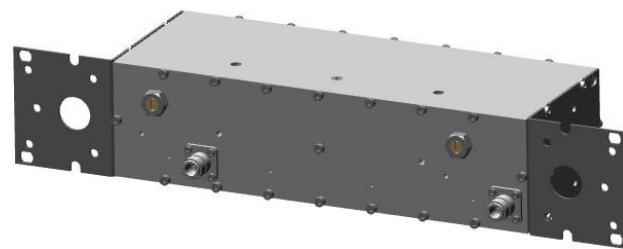


VHF Airband Bandpass filter

75 W, 4 Pole

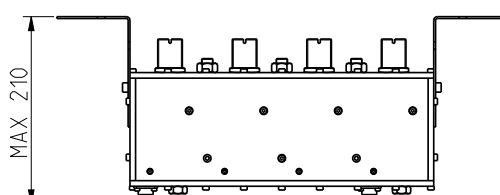
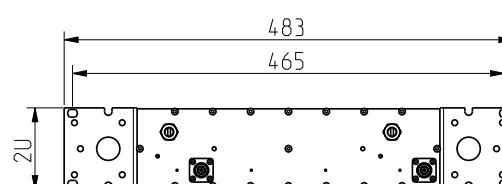
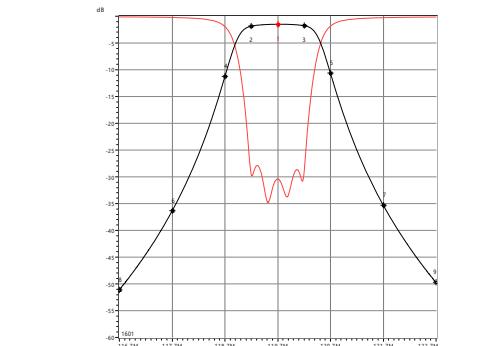
PRODUCT FEATURES

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

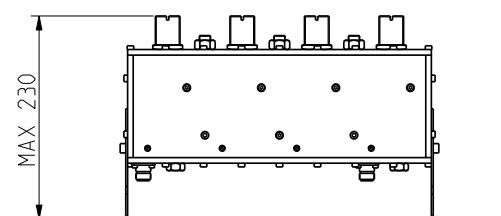


| SPECIFICATIONS | 70 mm Series | Optional |
|--------------------------------|-----------------|--------------------------|
| FREQUENCY | 118 - 136 MHz | Other tunings at request |
| STANDARD ORDER | 4 poles | - |
| IMPEDANCE | 50 Ohm | - |
| TEMPERATURE STABILITY | < 5 kHz / °C | - |
| MAX PRODUCT 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 | |
| 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 | |



19" rack mount brackets for rear connections.



19" rack mount brackets for front connections.

| TYPICAL DATA* | | Standard tuned |
|---|---------------|-----------------------|
| ARTICLE NO | | BPA4C07000A-CC |
| RETURN LOSS (VSWR), Centre frequency | | >26 dB (<1.1) |
| Average ± 0.5 MHz | | >28 dB (<1.08) |
| INSERTION LOSS | | |
| Centre frequency | | <1.6 dB |
| Effective passband @ ± 0.5 MHz | | <1.6 dB |
| | ± 0.5 MHz | <1.9 dB |
| Rejection | ± 1.0 MHz | >9.0 dB |
| | ± 2.0 MHz | >35.0 dB |
| | ± 3.0 MHz | >49.0 dB |
| GROUP DELAY VARIATION (typical) | | ± 0.5 MHz <150 ns |
| MAX INPUT POWER RATING** | | 75 W rms |
| TEMPERATURE RISE | | 3 °C / 10 W |

Article structure: ARTICLE: BPA4C07000A-CC

BP= Filter Type
A = Frequency band
A = Air band
4 = Number of poles
C = With/ without temp. comp.
C = without temperature compensation
07 = Filter size
0 = Grade
0 = Natural aluminum/temperature 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 127 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.