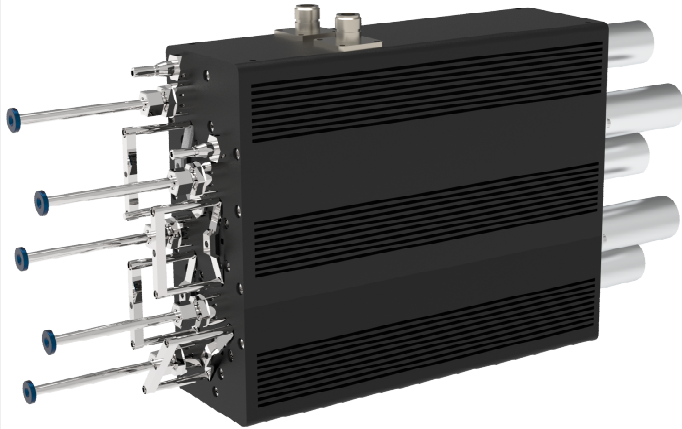



**PRODUCT FEATURES**
**DAB 5-pole 50mm Bandpass filter**

- Full-band tunable
- DC-Short
- Temperature compensated

**OPTIONS**

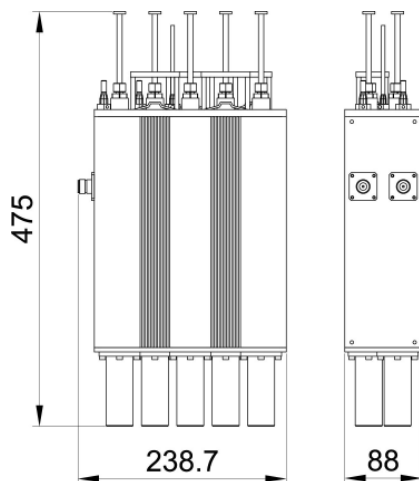
- 19" rack mount
- Custom rack frame

**SPECIFICATIONS**

|                                              |                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------|
| PRODUCT CODE:                                | <b>BPF35050</b>                                                                    |
| No. of POLES                                 | <b>5-pole heliptycal</b>                                                           |
| CAVITY SIZE                                  | <b>50 mm</b>                                                                       |
| TEMPERATURE STABILITY                        | <b>&lt; 0.8 kHz/°K</b>                                                             |
| MAX OPERATING TEMPERATURE (body)             | <b>65 °C (149 °F)</b>                                                              |
| TEMPERATURE OPERATING ENVIRONMENT            | <b>-5 ÷ 50 °C<br/>23 ÷ 122 °F</b>                                                  |
| CONNECTIONS <sup>(2)</sup> and PRODUCT CODES | <b>N female <sup>(1)</sup><br/>BPF35050-00<br/>DIN 7/16 female<br/>BPF35050-22</b> |

**ELECTRICAL DATA**

|                                        |                                   |
|----------------------------------------|-----------------------------------|
| FREQUENCY RANGE:                       | <b>174 ÷ 240 MHz</b>              |
| MAXIMUM RMS INPUT POWER <sup>(3)</sup> | <b>100 W</b>                      |
| INSERTION LOSS @ F0                    | <b>&lt; 1.4 dB <sup>(4)</sup></b> |
| INSERTION LOSS @ F0 ± 0.77 MHz         | <b>&lt; 2.9 dB <sup>(4)</sup></b> |
| ATTENUATION @ F0 ± 0.97 MHz            | <b>&gt; 10 dB <sup>(4)</sup></b>  |
| ATTENUATION @ F0 ± 1.77 MHz            | <b>&gt; 24 dB <sup>(4)</sup></b>  |
| ATTENUATION @ F0 ± 2.20 MHz            | <b>&gt; 29 dB <sup>(4)</sup></b>  |
| ATTENUATION @ F0 ± 3.00 MHz            | <b>&gt; 36 dB <sup>(4)</sup></b>  |
| BANDWIDTH                              | <b>1.54 MHz</b>                   |
| RETURN LOSS (VSWR)                     | <b>&lt; -26 dB<br/>&lt; 1.10</b>  |
| INPUT/OUTPUT IMPEDANCE                 | <b>50 Ω</b>                       |
| HARMONIC ATTENUATION                   | <b>&gt; 80 dB up to 500MHz</b>    |
| GROUP DELAY VARIATION                  | <b>&lt; 500 ns</b>                |

**DIMENSIONAL DETAIL**


|            |                                           |
|------------|-------------------------------------------|
| DIMENSIONS | <b>88x239x475 mm<br/>3.46x9.40x18.70"</b> |
| WEIGHT     | <b>9.5 Kg ( 21 lbs)</b>                   |

<sup>(1)</sup> Default configuration <sup>(2)</sup> Other connections available <sup>(3)</sup> Altitude < 1525 mt (5000 ft) <sup>(4)</sup> Other tuning configuration available