
**PRODUCT FEATURES**
**DAB 6-pole 78mm Bandpass filter**

- Dual Cross-Coupling
- Full-band tunable
- DC-Short
- Temperature compensated

**OPTIONS**

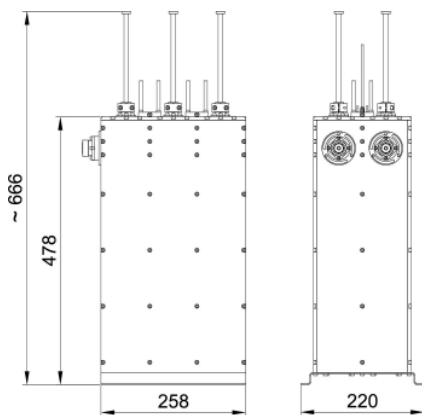
- Heat Sinks
- Forced Air Cooling
- 19" rack frame supports
- Custom rack frame

**SPECIFICATIONS**

|                                                     |                                                                                                                      |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <i>PRODUCT CODE:</i>                                | <b>BPF36078</b>                                                                                                      |
| <i>No. of POLES</i>                                 | <b>6-pole helliptical</b>                                                                                            |
| <i>CAVITY SIZE</i>                                  | <b>78 mm</b>                                                                                                         |
| <i>TEMPERATURE STABILITY</i>                        | <b>&lt; 1 kHz/°K</b>                                                                                                 |
| <i>MAX OPERATING TEMPERATURE (body)</i>             | <b>65 °C (149 °F)</b>                                                                                                |
| <i>TEMPERATURE OPERATING ENVIRONMENT</i>            | <b>-5 ÷ 50 °C<br/>23 ÷ 122 °F</b>                                                                                    |
| <i>CONNECTIONS <sup>(2)</sup> and PRODUCT CODES</i> | <b>7/16 female <sup>(1)</sup><br/>BPF36078-22<br/>7/8" flange<br/>BPF36078-44<br/>7/8" unflanged<br/>BPF36078-66</b> |

**ELECTRICAL DATA**

|                                               |                                   |
|-----------------------------------------------|-----------------------------------|
| <i>FREQUENCY RANGE:</i>                       | <b>174 ÷ 240 MHz</b>              |
| <i>MAXIMUM RMS INPUT POWER <sup>(3)</sup></i> | <b>400 W <sup>(4)</sup></b>       |
| <i>INSERTION LOSS @ F0</i>                    | <b>&lt; 1.0 dB <sup>(5)</sup></b> |
| <i>INSERTION LOSS @ F0 ± 0.77 MHz</i>         | <b>&lt; 2.3 dB <sup>(5)</sup></b> |
| <i>ATTENUATION @ F0 ± 0.97 MHz</i>            | <b>&gt; 15 dB <sup>(5)</sup></b>  |
| <i>ATTENUATION @ F0 ± 1.77 MHz</i>            | <b>&gt; 45 dB <sup>(5)</sup></b>  |
| <i>ATTENUATION @ F0 ± 2.20 MHz</i>            | <b>&gt; 50 dB <sup>(5)</sup></b>  |
| <i>ATTENUATION @ F0 ± 3.00 MHz</i>            | <b>&gt; 50 dB <sup>(5)</sup></b>  |
| <i>BANDWIDTH</i>                              | <b>1.54 MHz</b>                   |
| <i>RETURN LOSS (VSWR)</i>                     | <b>&lt; -26 dB<br/>&lt; 1.10</b>  |
| <i>INPUT/OUTPUT IMPEDANCE</i>                 | <b>50 Ω</b>                       |
| <i>HARMONIC ATTENUATION</i>                   | <b>&gt; 50dB up to 500MHz</b>     |
| <i>GROUP DELAY VARIATION</i>                  | <b>&lt; 850 ns</b>                |

**DIMENSIONAL DETAIL**


|                   |                                           |
|-------------------|-------------------------------------------|
| <i>DIMENSIONS</i> | <b>258x220x666 mm<br/>10.2x8.7x26.2 "</b> |
| <i>WEIGHT</i>     | <b>19 Kg ( 42 lbs)</b>                    |

<sup>(1)</sup> Default configuration <sup>(2)</sup> Other connections available <sup>(3)</sup> Altitude < 1525 mt (5000 ft) <sup>(4)</sup> Higher power rate with Heat Sinks or Forced Air Cooling options  
<sup>(5)</sup> Other tuning configuration available