## Tunable Notch Filters

### 6367 Single Cavity Tunable Notch Filters

![Image of 6367 filter](image)

### 6367 Series

Model 6367 is easily tuned through its full frequency range. A second control allows adjusting the 3 dB bandwidth over a wide range. The adjustable bandwidth feature of these filters allows suppression of an unwanted carrier with minimum impact on adjacent, desired frequencies.

### Cascade It For A Deeper Notch

For spot frequency applications, two or three identical units may be cascaded to produce a notch twice or three times as deep with the similar 3 dB bandwidth. Be sure to complete the model number by inserting the desired bandwidth.

<table>
<thead>
<tr>
<th>Model #</th>
<th>50 Ohm Notch Depth (dB)**</th>
<th>75 Ohm Notch Depth (dB)**</th>
<th>Height (L-inches)</th>
<th>Tuning Range** (MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6367-0</td>
<td>25</td>
<td>25</td>
<td>4.500</td>
<td>22-35</td>
</tr>
<tr>
<td>6367-1</td>
<td>30</td>
<td>33</td>
<td>4.500</td>
<td>30-50</td>
</tr>
<tr>
<td>6367-2</td>
<td>23</td>
<td>26</td>
<td>4.500</td>
<td>50-108</td>
</tr>
<tr>
<td>6367-3</td>
<td>20</td>
<td>23</td>
<td>4.500</td>
<td>108-216</td>
</tr>
<tr>
<td>6367-4</td>
<td>20</td>
<td>23</td>
<td>6.750</td>
<td>216-450</td>
</tr>
<tr>
<td>6367-5</td>
<td>13</td>
<td>16</td>
<td>3.875</td>
<td>450-900</td>
</tr>
</tbody>
</table>

**With 3 dB bandwidth adjusted to 3 MHz

### Mechanical Specifications:

- **Baseplate Dimensions:** 2" x 2" (single), 5" x 2" (double), 7" x 2" (triple)
- **Rack Mount Available Upon Request**
- **Connector Options:**
  - 50 ohm-Type N, SMA or BNC
  - 75 ohm-Type F

### Ordering Information:

\[(X)(Y)6367-(Fo)/(BW3)\]

- (X) - designates the connector type
- **Connectors:**
  - 50 ohm - BNC (B)
  - SMA (S)
  - Type N (N)
  - 75 ohm - Type F (F)
- (Y) - designates number of cavities
- **Cavities:**
  - (D) Double
  - (T) Triple
- (Fo) - designates the notch frequency (MHz)
- \( (BW3) \) - designates the 3 dB bandwidth (MHz)

**Note:** Orders for double and triple cavity 6367's **must** specify notch frequency and 3 dB bandwidth.