### 68-XX-7X Series

Comprod Inc. X-Pass filters are designed for flexible, close frequency systems. Each cavity has both a Reject and a Pass band curve. These individual cavities are used to add channels to existing systems. Available in single units, they can be combined with BandPass, Notch, and Pass Reject cavities for added protection and isolation. Selectivity can be determined by the insertion loss of the cavity or by adding BandPass cavity units to this expansion channel as required. Each cavity is temperature compensated for operation between -40ºC to +60ºC. Each cavity has a gold alodine finish, silver plated loops, and silver plated tuning rods. Every cavity is equipped with both coarse and fine tuning rods for quick and easy field or lab re-tuning.

- **Temperature Compensation**
  - Ensures Frequency Stability
- **High Attenuation**
  - Minimizes desense and interference from adjacent systems
- **Adjustable Loops**
  - Each cavity has a calibration index

#### Electrical Specifications

<table>
<thead>
<tr>
<th></th>
<th>68-03-71</th>
<th>68-06-71</th>
<th>68-11-71</th>
<th>68-13-71</th>
<th>68-40-71</th>
<th>68-74-71</th>
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</thead>
<tbody>
<tr>
<td>Frequency Range, MHz</td>
<td>30-40</td>
<td>66-88</td>
<td>118-136</td>
<td>136-174</td>
<td>406-512</td>
<td>746-960</td>
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<td>Frequency Spacing Min.</td>
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<td>Continuous Power Input, Watts</td>
<td>150</td>
<td>150</td>
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<tr>
<td>Connectors</td>
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<td>Insertion Loss</td>
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<tr>
<td>VSWR</td>
<td>1.22:1</td>
<td>1.22:1</td>
<td>1.22:1</td>
<td>1.22:1</td>
<td>1.22:1</td>
<td>1.22:1</td>
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<tr>
<td>Temperature ºC</td>
<td>-40 to +60</td>
<td>-40 to +60</td>
<td>-40 to +60</td>
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#### Mechanical Specifications

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<tbody>
<tr>
<td>Maximum length, in</td>
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<td>77</td>
<td>31.5</td>
<td>26</td>
<td>11.5</td>
<td>13</td>
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<tr>
<td>Weight, lbs</td>
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#### Order Information

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<tr>
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<tbody>
<tr>
<td>4” Cavity</td>
<td>68-XX-41</td>
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<tr>
<td>6.625” Cavity</td>
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<td>10” Cavity</td>
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