CTS Electronic Components introduces the new high-reliability, surface-mounted ceramic filters that achieve impressive frequency combining of closely spaced neighboring frequency bands. Enables antenna sharing in multi-band Small Cells, DAS, and Repeater systems.

Product family offers versions for all of closely-spaced major frequency bands while sharing a common PCB layout enabling a platform solution.

<table>
<thead>
<tr>
<th>Model</th>
<th>Freq Band#</th>
<th>Freq Band#</th>
<th>Freq Range [MHz]</th>
<th>Freq Range [MHz]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPX0528A</td>
<td>5</td>
<td>28 12 13 17</td>
<td>698-803</td>
<td>824-894</td>
</tr>
<tr>
<td>DPX0103A</td>
<td>1 3</td>
<td>1710-1880</td>
<td></td>
<td>1920-2170</td>
</tr>
<tr>
<td>DPX1025A</td>
<td>2 4 10+</td>
<td>1850-1995</td>
<td>1710 - 1780 &amp; 2110-2180</td>
<td></td>
</tr>
<tr>
<td>DPX0820A</td>
<td>8 20</td>
<td>880-960</td>
<td>791-862</td>
<td></td>
</tr>
</tbody>
</table>

**Insertion Loss (5MHz avg)**
- < 1.6 dB

**Cross-band Attenuation**
- > 20 dB

**Return Loss**
- > 12.0 dB

**Input Power Rating**
- 3.0W Avg
- 20W Peak

**Size (L x W x H) (incl shield)**
- 34.0 x <9.2 x <10.0mm

**Max Weight**
- <14 g

**Temperature Range**
- -40°C to +85°C
Universal PCB Footprint for all DPX frequency versions:

![Diagram of Universal PCB Footprint for all DPX frequency versions](image-url)

**DPX0103A (measured)**

- Marker: 1, 2, 3, 4
- Freq [MHz]: 1710, 1880, 1920, 2170
- [dB]: -2.763, -2.4, -2.9, -2.028

**DPX0528A (simulated)**

- Marker: 1, 2, 3, 4
- Freq [MHz]: 0.598, 0.603, 0.604, 0.694
- [dB]: -1.10, -2.5, -2.7, -5.5

**DPX1025A (simulated)**

- Marker: 1, 2, 3, 4, 5, 6
- Freq [MHz]: 1.71, 1.78, 1.85, 1.995, 2.11, 2.18
- [dB]: -0.661, -0.997, -31.6, -31.4, -1.05, -0.874

- [dB]: -0.661, -0.997, -31.6, -31.4, -1.05, -0.874

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