Twin AWS-PCS IMF for Broadcast Auxiliary Service (BAS) co-location, 4.3-10 connectors

- Provides interference mitigation in the Broadcast Auxiliary Service band of 2097.5-2109.5 MHz
- Supports dual band PCS/AWS radios with diplexed ports or diplexed single band radios
- Supports AWS1-4 and PCS bands (1695–1 780, 1850–2000 & 2110–2200 MHz)
- Easy to install in existing AWS systems and prevent adjacent channel interference for BAS licensees
- New 4.3-10 connectors for improved PIM performance and size reduction
- Compact form factor with reduced size and weight
- Available in twin (IMFT-AWSBAS-43) and quad (IMFQ-AWSBAS-43) configurations

**Product Classification**

**Product Type**

Interference mitigation filter

**General Specifications**

**Color**  Gray

**Modularity**  2-Twin

**Mounting Pipe Hardware**  Band clamps (2)

**RF Connector Interface**  4.3-10 Female

**RF Connector Interface Body Style**  Long neck

**Dimensions**

<table>
<thead>
<tr>
<th>Height</th>
<th>298 mm</th>
<th>11.732 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>204 mm</td>
<td>8.031 in</td>
</tr>
<tr>
<td>Depth</td>
<td>65 mm</td>
<td>2.559 in</td>
</tr>
<tr>
<td>Ground Screw Diameter</td>
<td>5 mm</td>
<td>0.197 in</td>
</tr>
</tbody>
</table>

**Outline Drawing**
Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Path

<table>
<thead>
<tr>
<th>Branch 1</th>
<th>Branch 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lightning Surge Current</td>
<td>10 kA</td>
</tr>
<tr>
<td>Lightning Surge Current Waveform</td>
<td>8/20 waveform</td>
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</tbody>
</table>

Electrical Specifications

<table>
<thead>
<tr>
<th>Sub-module</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Branch</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>License Band</td>
<td></td>
<td>AWS 1700, Band Pass</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PCS 1900, Band Pass</td>
</tr>
</tbody>
</table>

Electrical Specifications, Band Pass

| Frequency Range, MHz | 1695–1780 | 2110.3–2110.5 | 2110.5–2200 |
### Electrical Specifications, Band Reject

**Frequency Range, MHz**  
1850–2000  
2097.5–2109.5  
2097.5–2109.5

**Attenuation, minimum, dB**  
30  
30

**Block Diagram**
Environmental Specifications

Operating Temperature  -40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity  Up to 100%

Packaging and Weights

Included  Mounting hardware
Mounting Hardware Weight  0.7 kg | 1.543 lb
Weight, without mounting hardware  4.1 kg | 9.039 lb