Compact Twin WCS IMF for Aeronautical Mobile Telemetry Band Co-Location, 4.3-10

- New 4.3-10 connectors for improved PIM performance and size reduction
- DC/AISG passing capability from BTS port to ANT port
- Convertible mounting brackets

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

Dimensions

Height
162 mm | 6.378 in

Width
176 mm | 6.929 in

Depth
95 mm | 3.74 in

Outline Drawing
Electrical Specifications, dc Power/Alarm

- **dc/AISG Pass-through Path**: Branch 1
- **Lightning Surge Current**: 8 kA
- **Lightning Surge Current Waveform**: 8/20 waveform

### Electrical Specifications

<table>
<thead>
<tr>
<th>Sub-module</th>
<th>Branch</th>
<th>Port Designation</th>
<th>License Band</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
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<td>WCS 2300, Band Pass</td>
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### Electrical Specifications, Band Pass

- **Frequency Range, MHz**: 2305–2315, 2350–2357, 2357–2358.6, 2358.6–2358.96
- **Insertion Loss, maximum, dB**: 0.7, 0.6, 1.2, 1.8
### Electrical Specifications, Band Reject

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Frequency Range, MHz</td>
<td>2360–2395</td>
</tr>
<tr>
<td>Attenuation, minimum, dB</td>
<td>43</td>
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</tbody>
</table>
### Mechanical Specifications

- **Wind Loading @ Velocity, frontal**: 42.0 N @ 150 km/h (9.4 lbf @ 150 km/h)
- **Wind Loading @ Velocity, lateral**: 16.0 N @ 150 km/h (3.6 lbf @ 150 km/h)

### Environmental Specifications

- **Operating Temperature**: -40 °C to +65 °C (-40 °F to +149 °F)
- **Relative Humidity**: Up to 100%
- **Ingress Protection Test Method**: IEC 60529:2001, IP67

### Packaging and Weights

- **Included**: Mounting hardware
- **Weight, net**: 4.2 kg | 9.259 lb

### Regulatory Compliance/Certifications

- **Agency**: CHINA-ROHS
- **Classification**: Above maximum concentration value
<table>
<thead>
<tr>
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