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

General Specifications

**Modularity**
- 2-Twin

**Includes**
- Mounting hardware

Electrical Specifications

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Electrical Specifications, Band Pass

- **Frequency Range**: 2305–2315 MHz, 2350–2357 MHz, 2357–2358.6 MHz, 2358.6–2358.96 MHz
- **Insertion Loss, maximum**: 0.30 dB, 0.90 dB, 1.60 dB, 2.20 dB
- **Insertion Loss, typical**: 0.20 dB, 0.70 dB, 1.30 dB, 1.80 dB
- **Total Group Delay, maximum**: 10 ns, 250 ns, 250 ns, 150 ns
- **Return Loss, minimum**: 18 dB, 18 dB, 16 dB, 16 dB
- **Return Loss, typical**: 20 dB, 20 dB, 20 dB, 20 dB
- **Input Power, RMS, maximum**: 100 W, 100 W, 100 W, 100 W
- **Input Power, PEP, maximum**: 1000 W, 1000 W, 1000 W, 1000 W
- **Higher Order PIM, minimum**: -153 dBc, -153 dBc, -153 dBc, -153 dBc
- **Higher Order PIM Test Method**: 2 x 20 W CW tones, 2 x 20 W CW tones, 2 x 20 W CW tones

Electrical Specifications, Band Reject

- **Frequency Range**: 2360–2395 MHz, 2360–2395 MHz, 2360–2395 MHz, 2360–2395 MHz
- **Attenuation, minimum**: 30 dB, 30 dB, 30 dB, 30 dB

Product Classification

**Product Type**: Interference mitigation filter

dc Power/Alarm Electrical Specifications

- **dc/AISG Pass-through Path**: Branch 1
- **Lightning Surge Current**: 8 kA
Mechanical Specifications

**RF Connector Interface** 4.3-10 Female  
**Color** Gray  
**Mounting Pipe Hardware** Band clamps (2)

Dimensions

- **Height** 206.0 mm | 8.1 in  
- **Width** 144.5 mm | 5.7 in  
- **Depth** 94.0 mm | 3.7 in  
- **Weight, without mounting hardware** 4.0 kg | 8.8 lb  
- **Mounting Hardware Weight** 0.7 kg | 1.4 lb

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