Twin Hybrid Combiner

Product Classification

Brand UltraBand™
Product Type Hybrid combiner

AISG Electrical Specifications

AISG Carrier 2176 KHz ± 100 ppm
dc Current, maximum 2.5 A
Insertion Loss, maximum 0.50 dB
Return Loss, minimum 16 dB

Electrical Specifications

3rd Order IMD Test Method Two +43 dBm carriers
3rd Order IMD, typical -155 dBc
dc Pass-through Branch 2
Lightning Surge Current 10 kA
Lightning Surge Current Waveform 8/20 waveform

Electrical Specifications (Branch 1)

Coupling 3.1 dB
Coupling Tolerance ±0.5 dB
Input Power, PEP 3.0 kW
Input Power, RMS 150 W
Insertion Loss Ripple, maximum ±0.4 dB
Isolation, typical 30 dB
Operating Frequency Band 698 – 2700 MHz
Port Designation Port 1
Return Loss, minimum 20 dB

Electrical Specifications (Branch 2)

Coupling 3.1 dB
Coupling Tolerance ±0.5 dB
Input Power, PEP: 3.0 kW
Input Power, RMS: 150 W
Insertion Loss Ripple, maximum: ±0.4 dB
Isolation, typical: 30 dB
Operating Frequency Band: 698 – 2700 MHz
Port Designation: Port 2
Return Loss, minimum: 20 dB

Block Diagram

General Specifications
Includes: Mounting hardware
Modularity: Two-pack twin

Mechanical Specifications
Color: Gray
Connector Interface: 7-16 DIN Female
Ground Screw Diameter: 6.00 mm
Mount Type: Pole | Wall
Mounting Pipe Hardware: Band clamps

Environmental Specifications
Operating Temperature: -40 °C to +65 °C (-40 °F to +149 °F)
Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
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<tbody>
<tr>
<td>Depth</td>
<td>86.5 mm</td>
</tr>
<tr>
<td>Height</td>
<td>181.0 mm</td>
</tr>
<tr>
<td>Width</td>
<td>371.0 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>9.0 kg</td>
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</tbody>
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Outline Drawing

Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
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<tbody>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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