# CHB3359T-43 | D15T01P40



## Twin Hybrid Combiner 3300-5925MHz, 4.3-10 Connectors

- New combining solution for DoD and C-Band
- Ideal for combining carriers of any technology combination (LTE, UMTS, CDMA, GSM, etc.) independent of guard band restrictions
- Integrated low PIM load allows for simplified installation
- Self-contained housing ensures highest reliability in severe environments
- DC-AISG passing capability from Port 2 to Common Port
- New 4.3-10 connectors for improved PIM performance and size reduction

## Product Classification

| | |
|---|---|
| **Product Type** | Hybrid combiner |

## General Specifications

| | |
|---|---|
| **AISG Carrier** | 2176 KHz ± 100 ppm |
| **Color** | Gray |
| **Connector Interface** | 4.3-10 Female |
| **Modularity** | Twin |
| **Mounting** | Pole \| Wall |
| **Mounting Pipe Hardware** | Band clamps |

## Dimensions

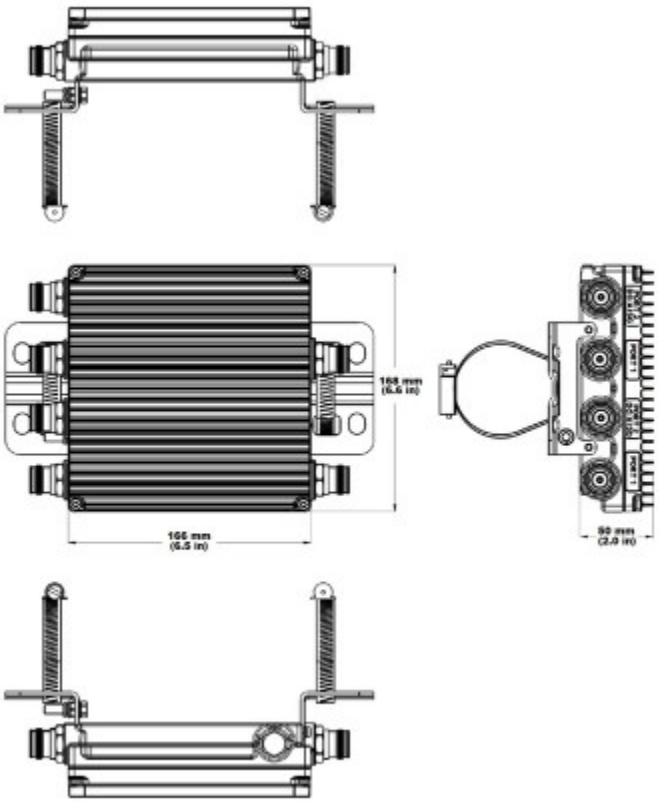
| | |
|---|---|
| **Height** | 168 mm \| 6.614 in |
| **Width** | 166 mm \| 6.535 in |
| **Depth** | 50 mm \| 1.969 in |
| **Ground Screw Diameter** | 6 mm \| 0.236 in |

## Outline Drawing



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## Electrical Specifications

| | |
|---|---|
| **3rd Order IMD Test Method** | Two +43 dBm carriers |
| **3rd Order IMD, typical** | -161 dBc |
| **dc Pass-through** | Branch 2 |
| **Lightning Surge Current** | 10 kA |
| **Lightning Surge Current Waveform** | 8/20 waveform |

## Electrical Specifications, AISG

| | |
|---|---|
| **dc Current, maximum** | 2.5 A |

## Electrical Specifications, Branch 1

| | |
|---|---|
| **Coupling** | 3.2 dB |
| **Coupling Tolerance** | ±0.5 dB |
| **Input Power, PEP** | 400 W |
| **Input Power, RMS** | 25 W |



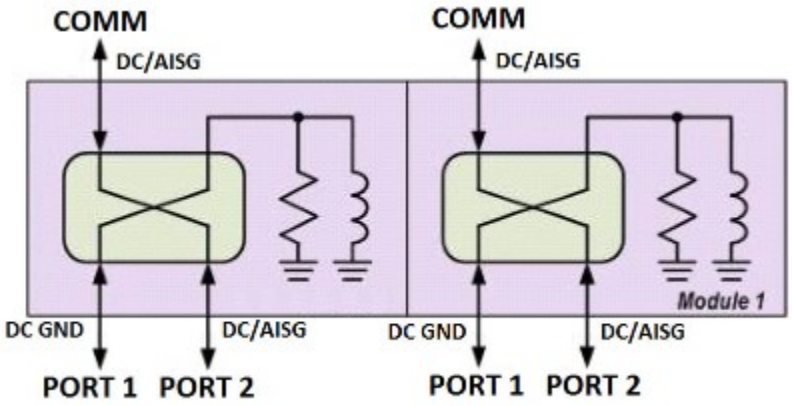
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| | |
|---|---|
| **Isolation, minimum** | 25 dB |
| **Operating Frequency Band** | 3300 – 5925 MHz |
| **Port Designation** | Port 1 |
| **Return Loss, typical** | 22 dB |

## Electrical Specifications, Branch 2

| | |
|---|---|
| **Coupling** | 3.2 dB |
| **Coupling Tolerance** | ±0.5 dB |
| **Input Power, PEP** | 400 W |
| **Input Power, RMS** | 25 W |
| **Isolation, minimum** | 25 dB |
| **Operating Frequency Band** | 3300 – 5925 MHz |
| **Port Designation** | Port 2 |
| **Return Loss, typical** | 22 dB |

## Block Diagram




## Environmental Specifications

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

## Packaging and Weights

| | |
|---|---|
| **Included** | Mounting hardware |
| **Weight, net** | 2.6 kg \| 5.732 lb |



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## Regulatory Compliance/Certifications

| Agency | Classification |
| --- | --- |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



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