

TD-AWS-5-ABCD-F



AWS Twin In-Band Diplexer Tuning version 5, AWS ABCD/F Bands with AISG/DC Sense

Product Classification

Product Type Diplexer

General Specifications

Application Indoor | Outdoor

Antenna Interface 7-16 DIN Female

Connector Interface Style Long neck

Rx Interface 7-16 DIN Female

Dimensions

Height 231 mm | 9.094 in

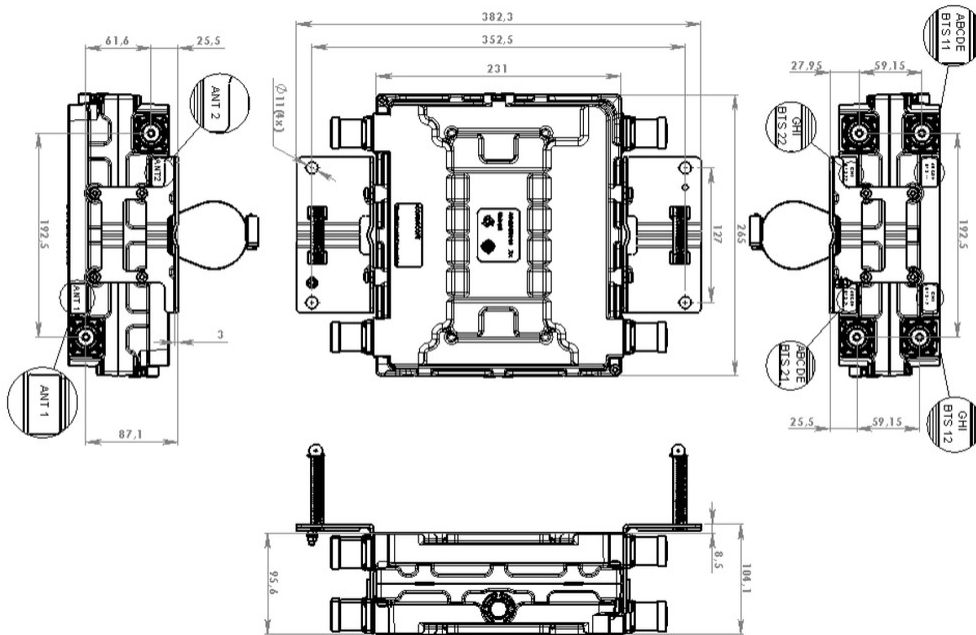
Width 265 mm | 10.433 in

Depth 96 mm | 3.78 in

Ground Screw Diameter 5 mm | 0.197 in

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Outline Drawing



Electrical Specifications, Rx (Uplink)

Frequency Band	1710 – 1739.75 MHz
Insertion Loss, typical	0.8 dB
Return Loss, minimum	18 dB
Isolation, minimum	28 dB

Electrical Specifications 2, Rx (Uplink)

Frequency Band	1745.25 – 1759.75 MHz
Isolation, minimum	28 dB
Insertion Loss, typical	0.8 dB
Return Loss, minimum	18 dB

Electrical Specifications, Tx (Downlink)

Frequency Band	2110 – 2139.75 MHz
Isolation, minimum	28 dB
Input Power, PEP, maximum	5000 W
Total Group Delay, maximum	60 ns

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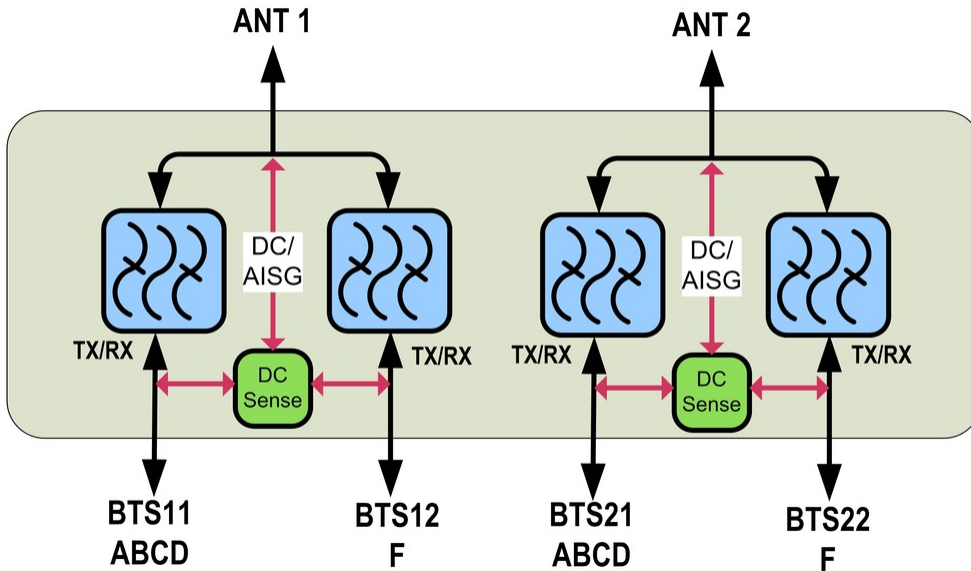
Insertion Loss, typical	0.8 dB
Return Loss, minimum	18 dB

Electrical Specifications 2, Tx (Downlink)

Frequency Band	2145.25 – 2159.75 MHz
Input Power, PEP, maximum	5000 W
Insertion Loss, typical	0.8 dB
Isolation, minimum	28 dB
Return Loss, minimum	18 dB
Total Group Delay, maximum	60 ns

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Block Diagram



Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Brackets
Weight, without mounting hardware	8.3 kg 18.298 lb