

# TD-AWS-5-ABCD-F

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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

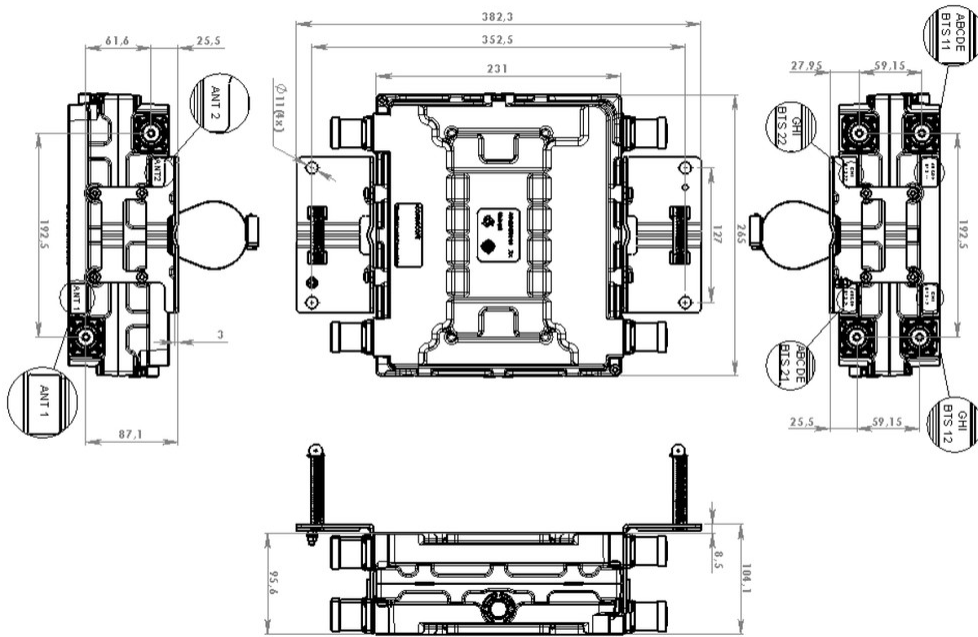
**Width** 265 mm | 10.433 in

**Depth** 96 mm | 3.78 in

**Ground Screw Diameter** 5 mm | 0.197 in

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## Outline Drawing



### Electrical Specifications, Rx (Uplink)

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

### Electrical Specifications 2, Rx (Uplink)

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

### Electrical Specifications, Tx (Downlink)

<b>Frequency Band</b>	2110 – 2139.75 MHz
<b>Isolation, minimum</b>	28 dB
<b>Input Power, PEP, maximum</b>	5000 W
<b>Total Group Delay, maximum</b>	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

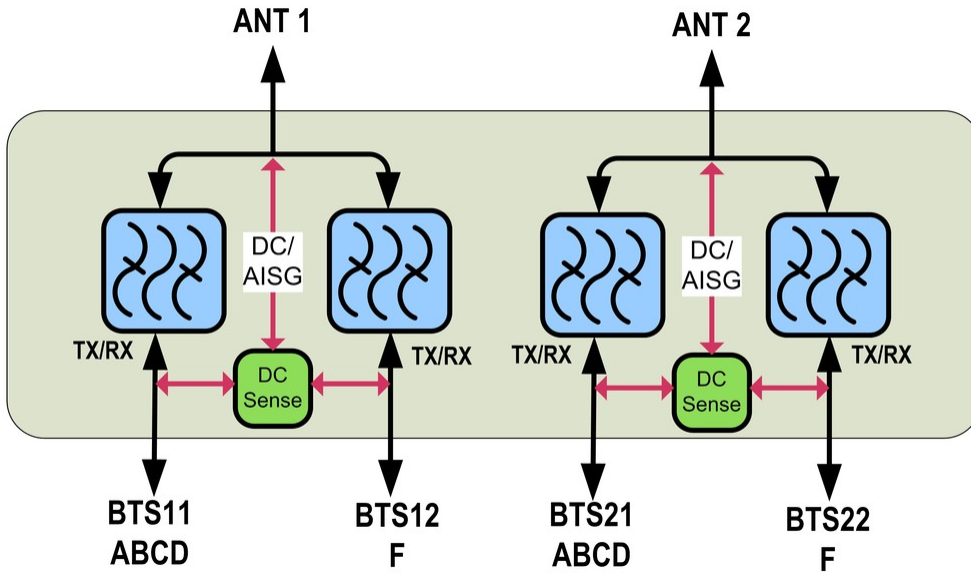
**Isolation, minimum** 28 dB

**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