

# D-AWS-10-A-CDEF



AWS In-Band Diplexer Tuning version 1A, AWS A/CDEF Bands with AISG /DC Sense

This product will be discontinued on: March 30, 2024

## Product Classification

**Product Type** Diplexer

## General Specifications

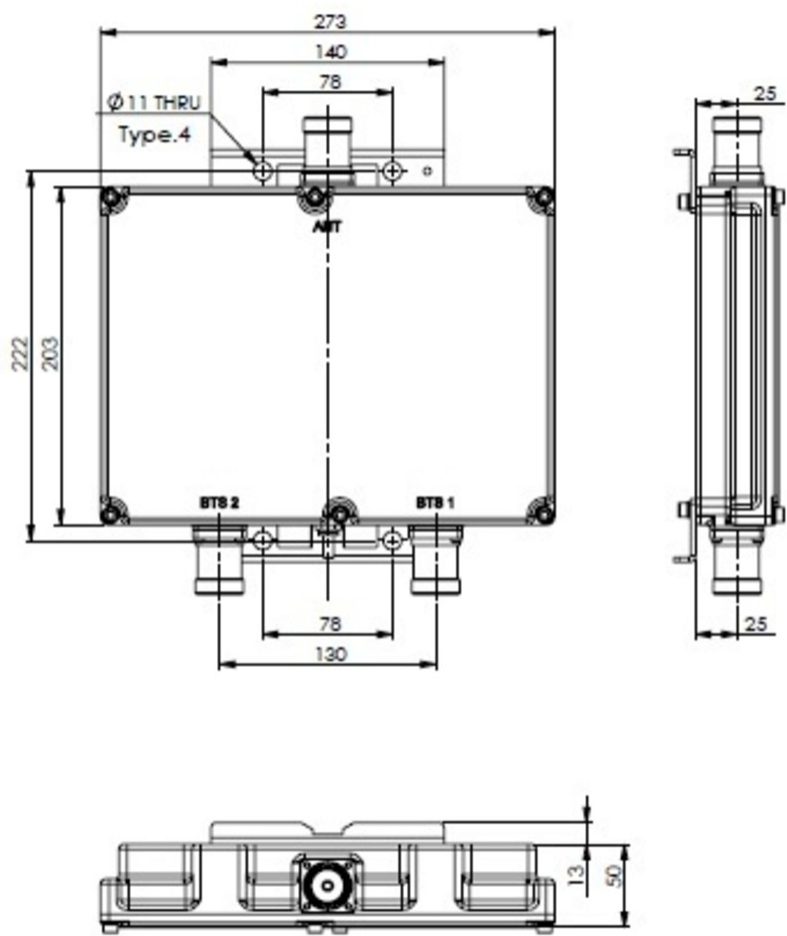
**Application** Indoor | Outdoor  
**Antenna Interface** 7-16 DIN Female  
**Connector Interface Style** Long neck  
**Rx Interface** 7-16 DIN Female

## Dimensions

**Height** 203 mm | 7.992 in  
**Width** 273 mm | 10.748 in  
**Depth** 50 mm | 1.969 in  
**Ground Screw Diameter** 5 mm | 0.197 in

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## Outline Drawing



## Electrical Specifications, Rx (Uplink)

Frequency Band	1710 – 1720 MHz
Insertion Loss, typical	0.5 dB
Return Loss, minimum	18 dB
Isolation, minimum	25 dB

## Electrical Specifications 2, Rx (Uplink)

Frequency Band	1730 – 1755 MHz
Isolation, minimum	25 dB
Insertion Loss, typical	0.5 dB

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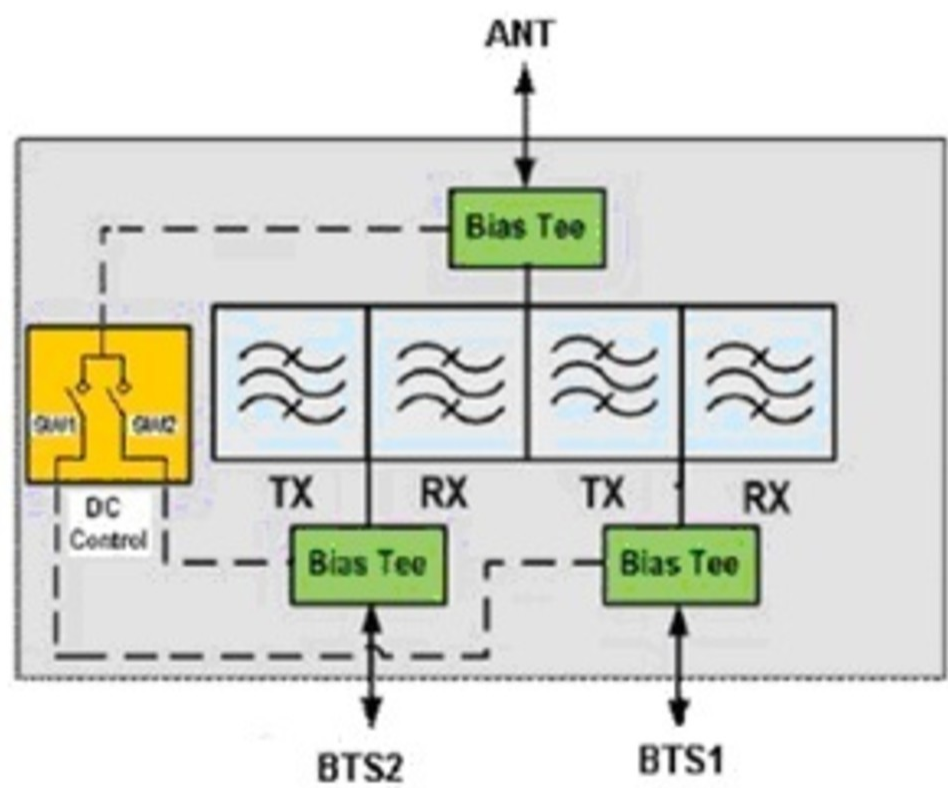
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Return Loss, minimum	18 dB
Electrical Specifications, Tx (Downlink)	
Frequency Band	2110 – 2120 MHz
Isolation, minimum	30 dB
Input Power, PEP, maximum	5000 W
Total Group Delay, maximum	50 ns
Insertion Loss, typical	0.5 dB
Return Loss, minimum	18 dB

## Electrical Specifications 2, Tx (Downlink)

Frequency Band	2130 – 2155 MHz
Input Power, PEP, maximum	5000 W
Insertion Loss, typical	0.5 dB
Isolation, minimum	30 dB
Return Loss, minimum	18 dB
Total Group Delay, maximum	50 ns

## 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	3.2 kg   7.055 lb