

Twin Inband Diplexer PCS A5-D, DC sense

**OBSOLETE**

**Replaced By:**

CHB626-43-2X  
D15T01P38

Twin Hybrid Combiner

## Product Classification

**Product Type** Diplexer

## General Specifications

**Color** Gray

**Connector Interface** 7-16 DIN Female

## Dimensions

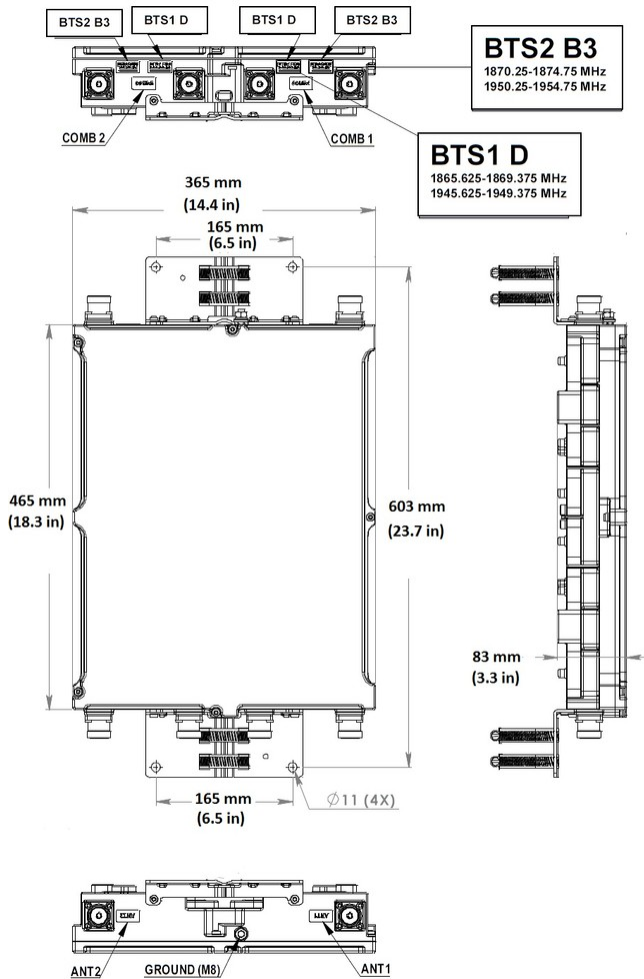
**Height** 465 mm | 18.307 in

**Width** 365 mm | 14.37 in

**Depth** 83 mm | 3.268 in

# TD-PCS-1-D-B3 | E15Z50P72

## Outline Drawing



## Electrical Specifications

**5th Order IMD Test Method** Two +43 dBm carriers

**5th Order IMD, maximum** -153 dBc

## Electrical Specifications, Rx (Uplink)

**Frequency Band** 1865.625 – 1869.375 MHz

**Insertion Loss, typical** 0.8 dB

**Return Loss, typical** 18 dB

**Isolation, minimum** 28 dB

**Total Group Delay, maximum** 300 ns

## Electrical Specifications 2, Rx (Uplink)

<b>Frequency Band</b>	1870.25 – 1874.75 MHz
<b>Isolation, minimum</b>	28 dB
<b>Isolation, typical</b>	28 dB
<b>Total Group Delay, maximum</b>	300 ns
<b>Insertion Loss, typical</b>	0.8 dB

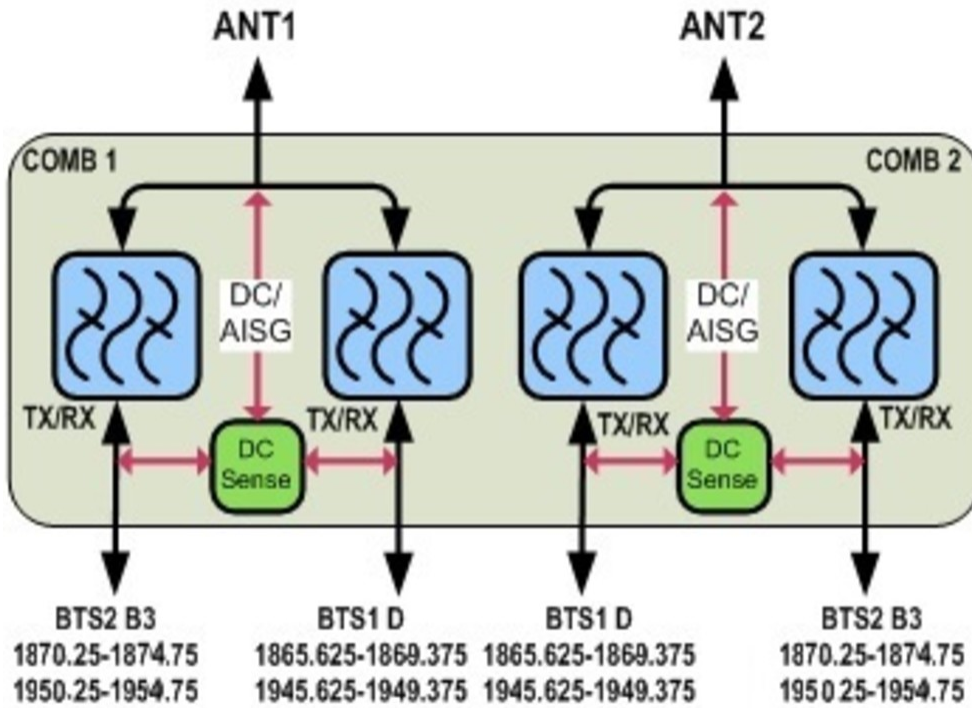
## Electrical Specifications, Tx (Downlink)

<b>Frequency Band</b>	1945.625 – 1949.375 MHz
<b>Isolation, minimum</b>	28 dB
<b>Isolation, typical</b>	28 dB
<b>Input Power, PEP, maximum</b>	3000 W
<b>Input Power, RMS, maximum</b>	100 W
<b>Total Group Delay, maximum</b>	300 ns
<b>Insertion Loss, typical</b>	0.8 dB
<b>Return Loss, typical</b>	18 dB

## Electrical Specifications 2, Tx (Downlink)

<b>3rd Order IMD Test Method</b>	Two +43 dBm carriers
<b>Frequency Band</b>	1950.25 – 1954.75 MHz
<b>Input Power, PEP, maximum</b>	3000 W
<b>Insertion Loss, typical</b>	0.8 dB
<b>Isolation, minimum</b>	28 dB
<b>Isolation, typical</b>	28 dB
<b>Return Loss, minimum</b>	18 dB
<b>Return Loss, typical</b>	18 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

**Weight, net** 15.8 kg | 34.833 lb