TD-PCS-1-E-F | E15Z50P64

Twin Inband Diplexer PCS E-F, DC sense

- Twin configuration
- Automatic dc switching with dc sense
- Minimal Insertion Loss
- Self-contained housing ensures highest reliability in severe environments

OBSOLETE

Replaced By:

CHB626-43-2X D15T01P38	Twin Hybrid Combiner

Product Classification

Product Type	Diplexer

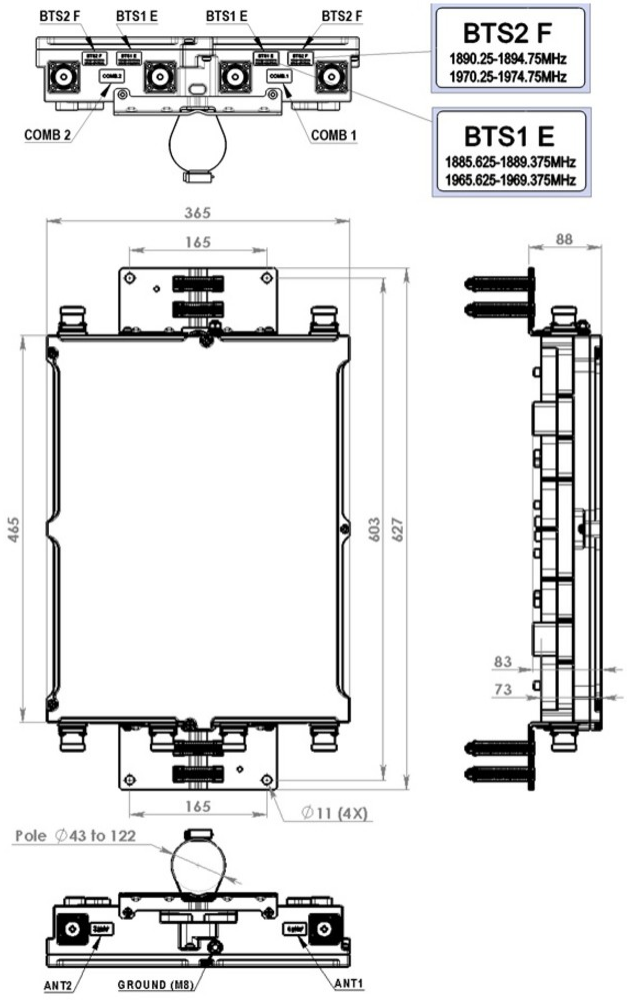
General Specifications

Color	Gray
Connector Interface	7-16 DIN Female
Rx Interface	7-16 DIN Female

Dimensions

Height	465 mm | 18.307 in
Width	365 mm | 14.37 in
Depth	90 mm | 3.543 in

Outline Drawing



Electrical Specifications

5th Order IMD Test Method	Two +43 dBm carriers
5th Order IMD, maximum	-153 dBc
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications, Rx (Uplink)

Frequency Band	1885.625 – 1889.375 MHz
Insertion Loss, typical	0.8 dB
Return Loss, typical	18 dB

Isolation, minimum	28 dB
Isolation, typical	28 dB
Total Group Delay, maximum	250 ns

Electrical Specifications 2, Rx (Uplink)

Frequency Band	1890.25 – 1894.75 MHz
Isolation, minimum	28 dB
Isolation, typical	28 dB
Total Group Delay, maximum	250 ns
Insertion Loss, typical	0.8 dB

Electrical Specifications, Tx (Downlink)

Frequency Band	1965.625 – 1969.375 MHz
Isolation, typical	28 dB
Input Power, PEP, maximum	3000 W
Input Power, RMS, maximum	100 W
Total Group Delay, maximum	250 ns
Insertion Loss, typical	0.8 dB
Return Loss, typical	18 dB

Electrical Specifications 2, Tx (Downlink)

Frequency Band	1970.25 – 1974.75 MHz
Insertion Loss, typical	0.8 dB
Isolation, typical	28 dB
Return Loss, minimum	18 dB

Block Diagram

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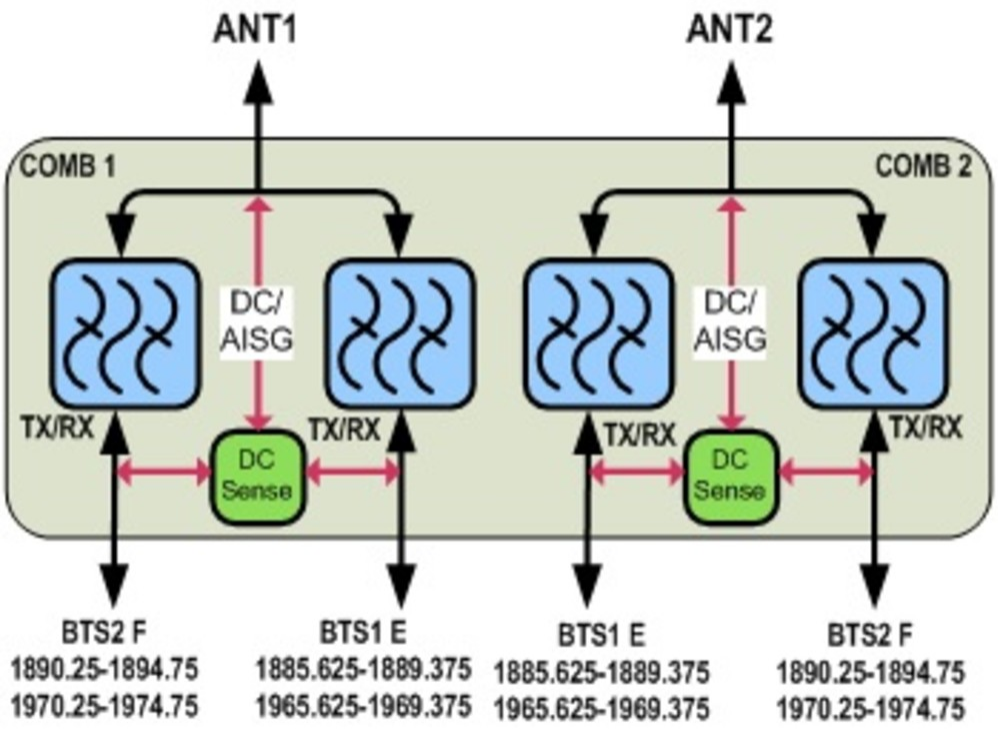

Environmental Specifications

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