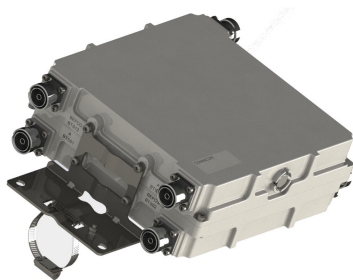


TD-PCS-5-A-B_G | E15Z50P14



PCS Twin In-Band Diplexer Tuning version 1, PCS A/BEFCG Bands with AISG/DC Sense

- Automatic dc switching with dc sense

OBSOLETE

Replaced By:

CHB626-43-2X
D15T01P38

Twin Hybrid Combiner

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 263 mm | 10.354 in

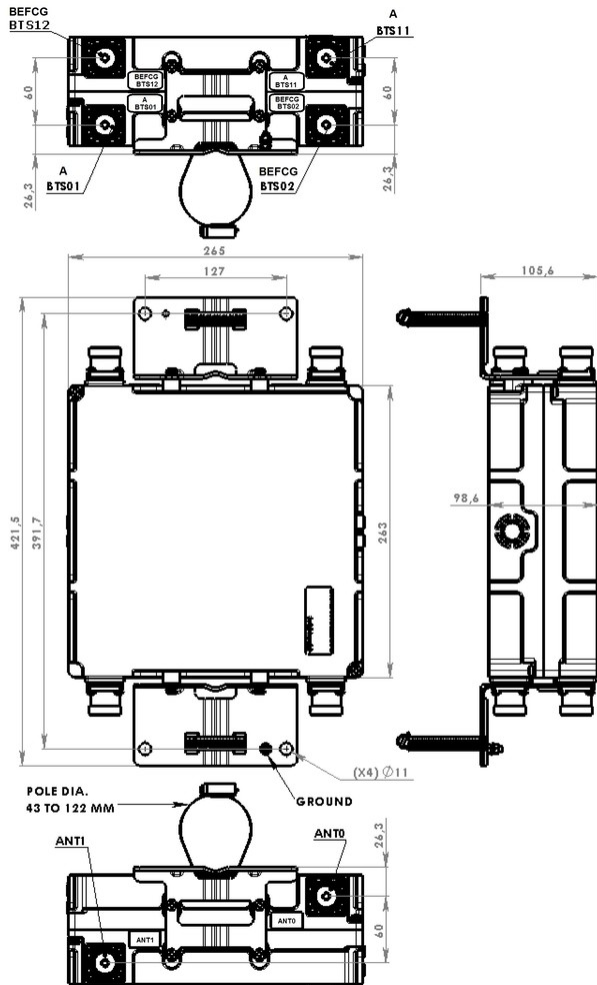
Width 265 mm | 10.433 in

Depth 95.6 mm | 3.764 in

Ground Screw Diameter 5 mm | 0.197 in

TD-PCS-5-A-B_G | E15Z50P14

Outline Drawing



Electrical Specifications

3rd Order IMD Test Method	Two +43 dBm carriers
3rd Order IMD, typical	-153 dBm

Electrical Specifications, Rx (Uplink)

Frequency Band	1850 – 1865 MHz
Insertion Loss, maximum	0.8 dB
Insertion Loss, typical	0.5 dB
Return Loss, minimum	18 dB
Isolation, minimum	30 dB

TD-PCS-5-A-B_G | E15Z50P14

Total Group Delay, maximum 60 ns

Electrical Specifications 2, Rx (Uplink)

Frequency Band 1870 – 1915 MHz

Isolation, minimum 30 dB

Total Group Delay, maximum 60 ns

Insertion Loss, maximum 0.8 dB

Insertion Loss, typical 0.5 dB

Return Loss, minimum 18 dB

Electrical Specifications, Tx (Downlink)

Frequency Band 1930 – 1945 MHz

Isolation, minimum 30 dB

Input Power, PEP, maximum 2000 W

Input Power, RMS, maximum 100 W

Total Group Delay, maximum 60 ns

Insertion Loss, maximum 0.8 dB

Insertion Loss, typical 0.5 dB

Return Loss, minimum 18 dB

Electrical Specifications 2, Tx (Downlink)

Frequency Band 1950 – 1995 MHz

Input Power, PEP, maximum 2000 W

Insertion Loss, maximum 0.8 dB

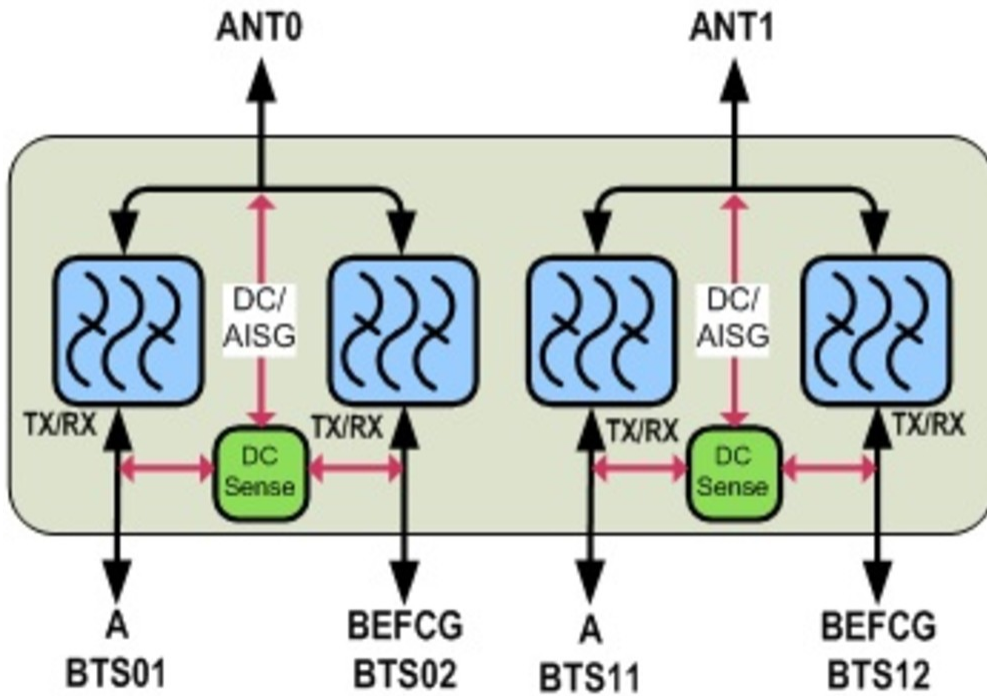
Insertion Loss, typical 0.5 dB

Isolation, minimum 30 dB

Return Loss, minimum 18 dB

Total Group Delay, maximum 60 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	8.9 kg 19.621 lb