



Twin Diplexer PCS/AWS+WCS, DC block, 4.3-10

- Full performance in a fraction of the size
- High power handling
- Includes AWS-3 and AWS-4 bands
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG blocking on all ports (DC grounded)
- Twin configuration
- Ideal for small cell applications

OBSOLETE

This product was discontinued on: **September 21, 2018**

Replaced By:

SDX1926T-43
E14F05P85

Ultra Compact Twin Diplexer PCS/AWS+WCS+BRS, DC AWS/WCS/BRS, 4.3-10

Product Classification

Product Type Diplexer

General Specifications

Color Gray

Common Port Label COMMON

Modularity 2-Twin

RF Connector Interface 4.3-10 Female

RF Connector Interface Body Style Long neck

Dimensions

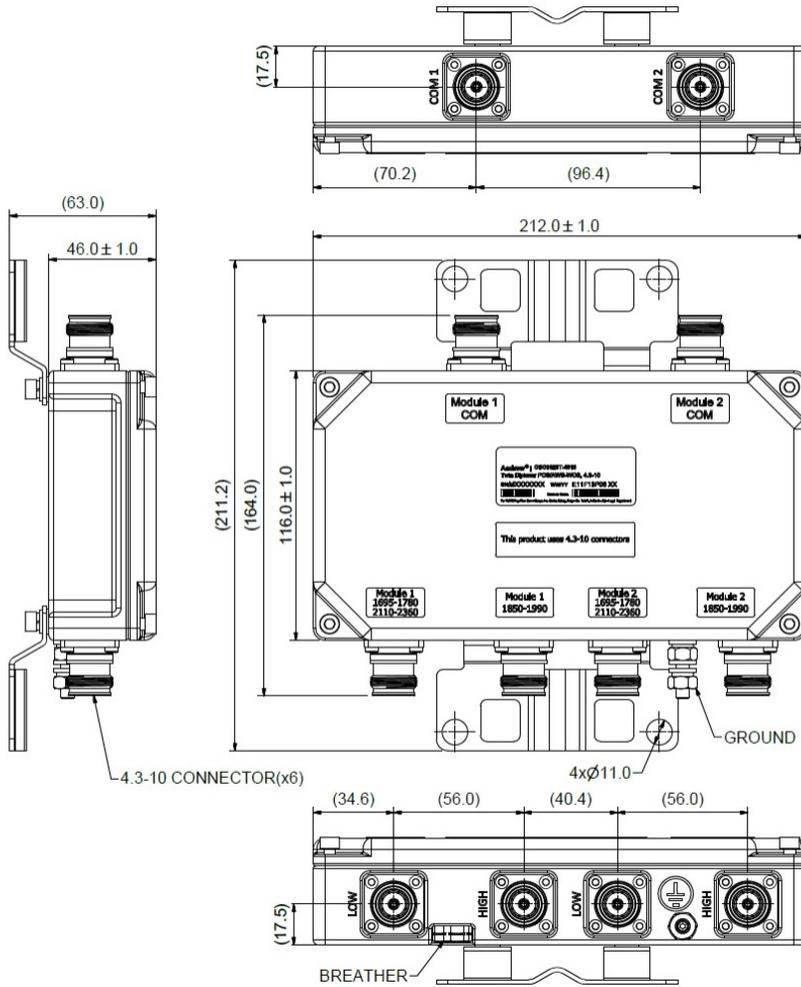
Height 212 mm | 8.346 in

Width 116 mm | 4.567 in

Depth 46 mm | 1.811 in

CBC1923T-4310 | E11F13P06

Outline Drawing



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	AWS 1700 PCS 1900 TDD 1900 WCS 2300

Electrical Specifications, dc Power/Alarm

Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	1 2	1 2
Branch	1	2

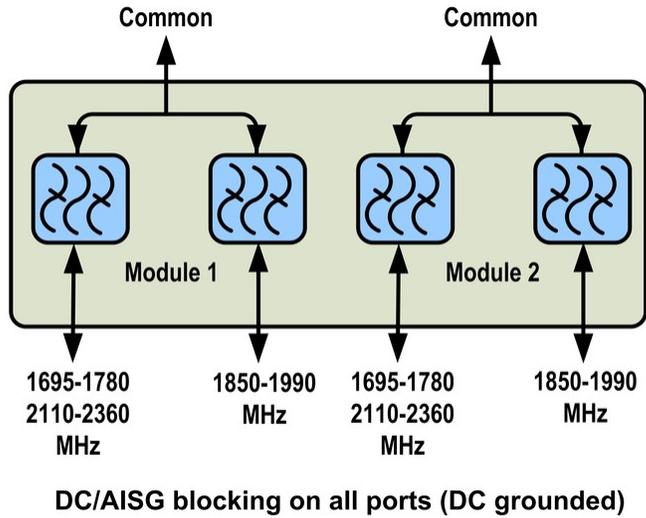
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Port Designation	AWS-WCS	PCS
License Band	AWS 1700, Band Pass WCS 2300, Band Pass	PCS 1900, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	1695–1780 2110–2360	1850–1990
Insertion Loss, typical, dB	0.25	0.25
Total Group Delay, maximum, ns	12	13
Return Loss, typical, dB	23	23
Isolation, typical, dB	40	40
Input Power, RMS, maximum, W	100	100
Input Power, PEP, maximum, W	1500	1500
3rd Order PIM, typical, dBc	-161	-161
3rd Order PIM Test Method	1 x 20 W AWS CW tone 1 x 20 W PCS CW tone	2 x 20 W CW tones

Block Diagram



Material Specifications

Finish Painted

Environmental Specifications

Operating Temperature -40 °C to +65 °C (-40 °F to +149 °F)

Relative Humidity Up to 100%

Ingress Protection Test Method IEC 60529:2001, IP67

Packaging and Weights

Mounting Hardware Weight 0.3 kg | 0.661 lb

Weight, without mounting hardware 1.9 kg | 4.189 lb