



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:

CBC1923T-43
E14F55P15

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

Product Classification

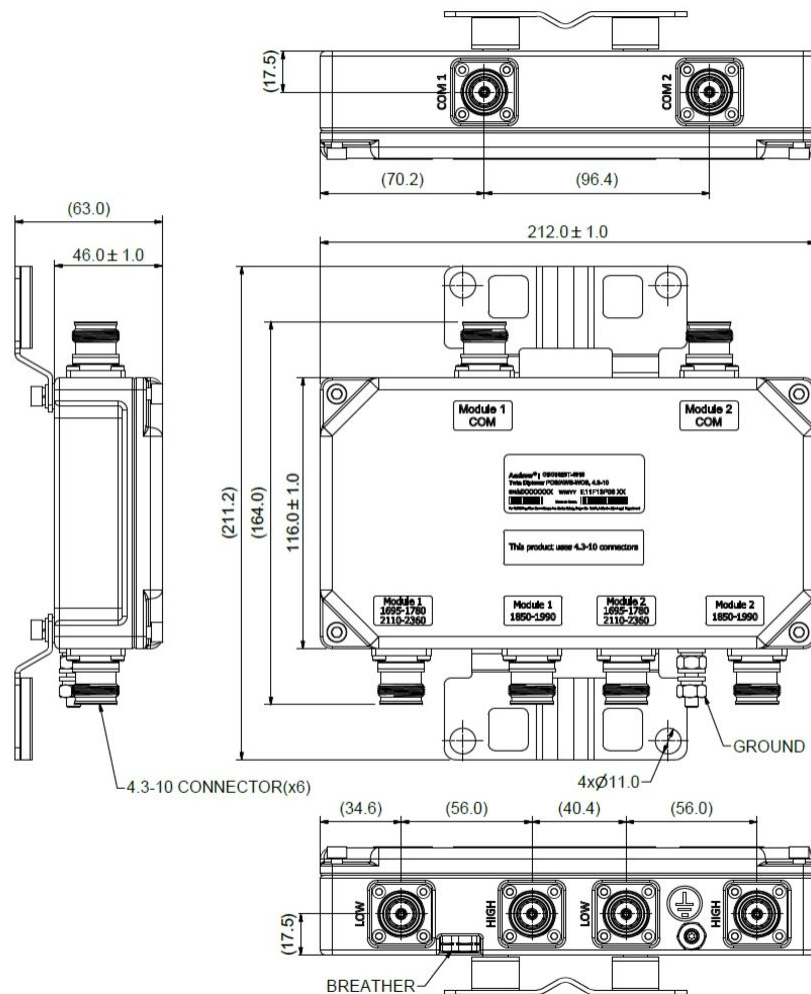
Product TypeDiplexer

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



Electrical Specifications

Impedance	50 ohm
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Electrical Specifications, dc Power/Alarm

Lightning Surge Current 5 kA

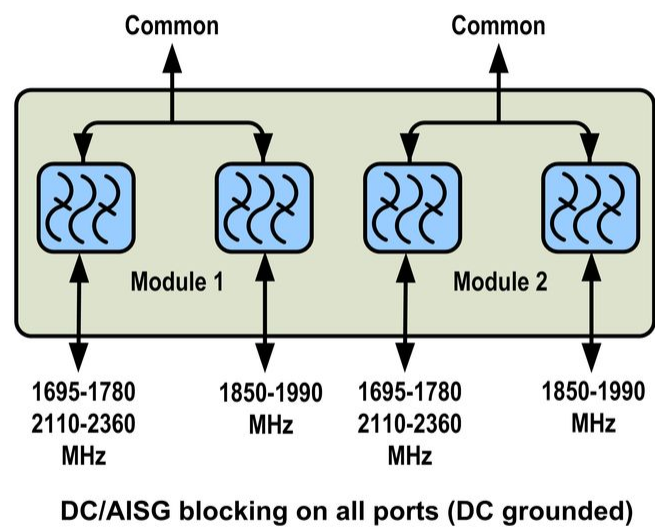
Lightning Surge Current Waveform 8/20 waveform

Electrical Specifications

Sub-module	1 2	1 2
Branch	1	2
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, dBc	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
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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

