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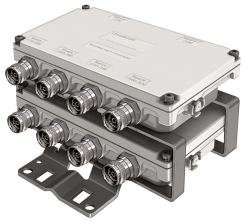

Ultra Compact Quad Diplexer 1710-2180/2500-2690 MHz, 4.3-10 connectors

- Ideal for small cell applications
- Compact form factor with reduced size and weight
- Suitable for space limited applications like Metro Cell, Lamp Pole, Concealment Solution and Macro Site
- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- Designed for network modernization application, introduction of LTE 4x4 MIMO
- Quad configuration, 4x4 MIMO ready

Product Classification

Product Type	Diplexer

General Specifications

Product Family	CBC1726
Color	Gray
Common Port Label	Common
Modularity	4-Quad
RF Connector Interface	4.3-10 Female
RF Connector Interface Body Style	Long neck

Dimensions

Height	100 mm | 3.937 in
Width	116 mm | 4.567 in
Depth	212 mm | 8.346 in

Outline Drawing

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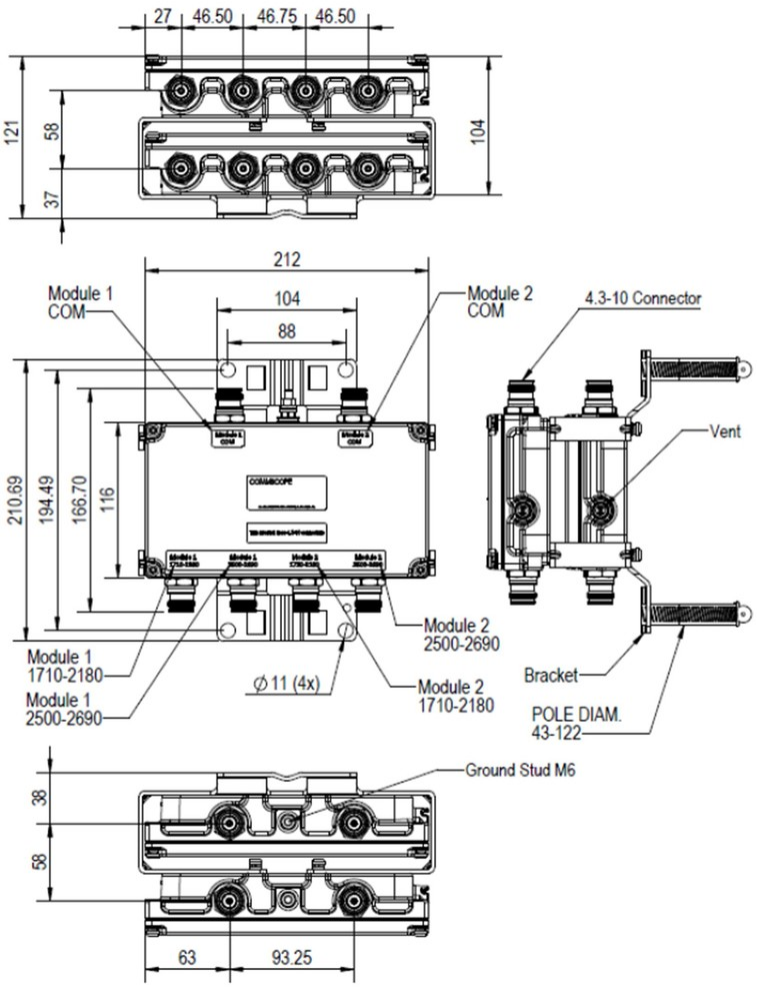

Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	AWS 1700 | DCS 1800 | IMT 2100 | IMT 2600 | PCS 1900 | TDD 2300 | TDD 2600 | WCS 2300

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	No dc/AISG pass-through
dc/AISG Pass-through, combiner	dc/AISG blocking on all ports
dc/AISG Pass-through, demultiplexer	dc/AISG blocking on all ports
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

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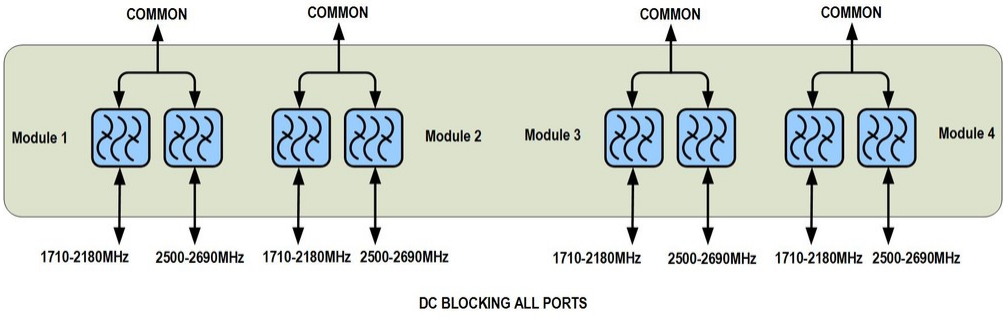
Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**
Branch	1	2
Port Designation	Port 1710-2180	Port 2500-2690
License Band	DCS 1800, Band Pass IMT 2100, Band Pass AWS 1700, Band Pass PCS 1900, Band Pass	TDD 2600, Band Pass IMT 2600, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	**1710–2180**	**2500–2690**
Insertion Loss, typical, dB	0.1	0.12
Total Group Delay, maximum, ns	12	12
Return Loss, typical, dB	23	23
Isolation, typical, dB	53	51
Input Power, RMS, maximum, W	250	250
Input Power, PEP, maximum, W	1500	1500
3rd Order PIM, typical, dBc	-161	-161
3rd Order PIM Test Method	2 x 20 W CW tones	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%
Corrosion Test Method	IEC 60068-2-11, 30 days

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Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Weight, net	4 kg | 8.818 lb