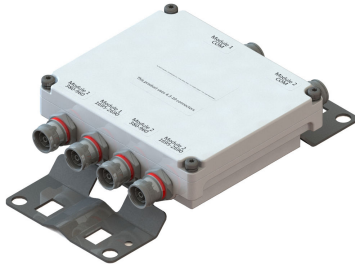


CBC626T-DL-4310 | E14F55P08



Ultra Compact Twin Diplexer 380-960/1695-2690MHz, DC Low, 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 and Concealment Solution
- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG pass-through on low frequency ports
- Twin configuration

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

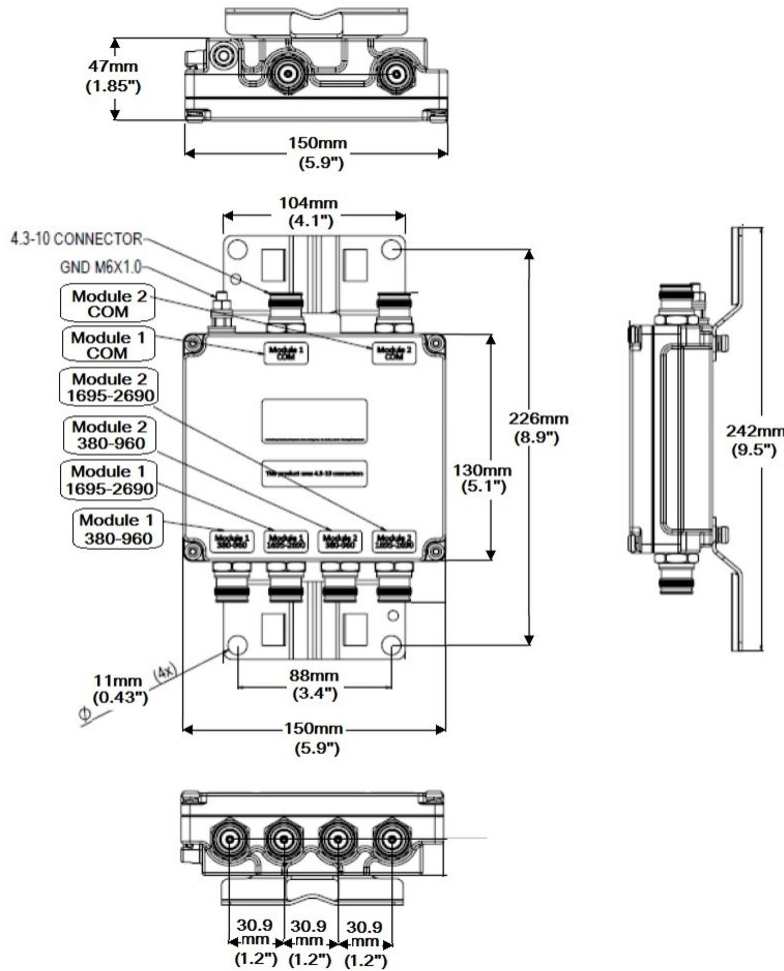
Height 150 mm | 5.906 in

Width 130 mm | 5.118 in

Depth 47 mm | 1.85 in

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Outline Drawing



Electrical Specifications

Impedance

50 ohm

License Band, Band Pass

APT 700 | AWS 1700 | CEL 850 | CEL 900 | DCS 1800 | EDD 800 | IMT 2100 | IMT 2600 | LMR 750 | LMR 800 | LMR 900 | PCS 1900 | TDD 1900 | TDD 2300 | USA 700 | USA 750 | WCS 2300

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method

Factory set

dc/AISG Pass-through Path

Branch 1

dc/AISG Pass-through, combiner

Branch 1

dc/AISG Pass-through, demultiplexer

Branch 1

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

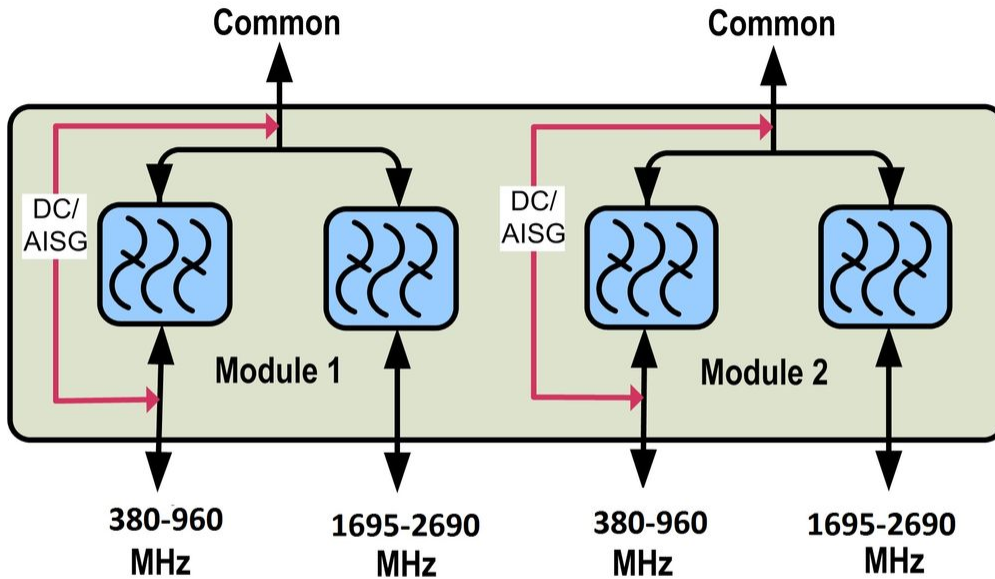
Electrical Specifications

Sub-module	1 2	1 2
Branch	1	2
Port Designation	Port 380-960	Port 1695-2690
License Band	[1, 4, 5, 10, 12, 15, 16, 24]	[2, 6, 8, 9, 13, 20, 17]

Electrical Specifications, Band Pass

Frequency Range, MHz	380–960	1695–2690
Insertion Loss, typical, dB	0.25	0.25
Total Group Delay, maximum, ns	5	5
Return Loss, typical, dB	23	23
Isolation, typical, dB	50	50
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	2 x 20 W CW tones	2 x 20 W CW tones

Block Diagram



DC/AISG pass-through on low frequency ports
 DC/AISG blocking on high frequency ports

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

Ingress Protection Test Method IEC 60529:2001, IP67

Packaging and Weights

Mounting Hardware Weight 0.3 kg | 0.661 lb

Weight, without mounting hardware 1.7 kg | 3.748 lb