

Ultra Compact Twin Triplexer 1710-1880/1920-2170/2300-2690, with 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
- New 4.3-10 connectors for improved PIM performance and size reduction
- Twin configuration
- dc/AISG blocking on all ports

Product Classification

Product Type Triplexer

General Specifications

Product Family CBC182126

ColorGrayCommon Port LabelCOMMModularity2-Twin

MountingPole | WallMounting Pipe HardwareBand clamps (2)RF Connector Interface4.3-10 FemaleRF Connector Interface Body StyleMedium neck

Dimensions

 Height
 178 mm | 7.008 in

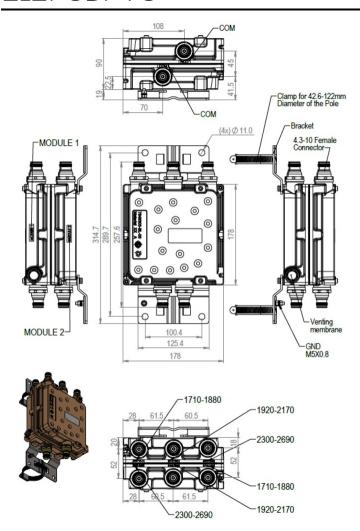
 Width
 178 mm | 7.008 in

 Depth
 90 mm | 3.543 in

Mounting Pipe Diameter Range 40–160 mm

Outline Drawing





Electrical Specifications

Impedance 50 ohm

License Band, Band Pass DCS 1800 | IMT 2100 | IMT 2600 | TDD 2300 | TDD 2600

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through MethodNo dc/AISG pass-throughdc/AISG Pass-through, combinerdc/AISG blocking on all portsdc/AISG Pass-through, demultiplexerdc/AISG blocking on all ports

Lightning Surge Current 5 kA

Lightning Surge Current Waveform 8/20 waveform

Electrical Specifications

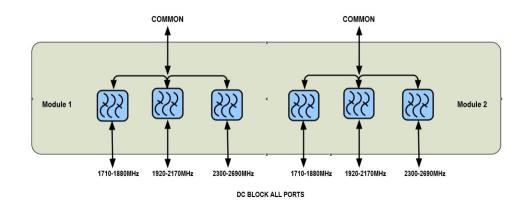
COMMSCOPE®

Sub-module	1 2	1 2	1 2
Branch	1	2	3
Port Designation	1710-1880	1920-2170	2300-2690
License Band	DCS 1800, Band Pass	IMT 2100, Band Pass	TDD 2300, Band Pass TDD 2600, Band Pass IMT 2600, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	1710-1880	1920-2170	2300-2690
Insertion Loss, typical, dB	0.25	0.25	0.2
Return Loss, typical, dB	20	20	20
Isolation, typical, dB	52	52	52
Input Power, RMS, maximum, W	250	250	250
Input Power, PEP, maximum, W	1500	1500	1500
3rd Order PIM, typical, dBc	-155	-155	-155
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Environmental Specifications

Operating Temperature $-40 \, ^{\circ}\text{C} \text{ to } +65 \, ^{\circ}\text{C} \, (-40 \, ^{\circ}\text{F to } +149 \, ^{\circ}\text{F})$

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

Included Mounting hardware

COMMSCOPE®

Volume 2.85 L

Weight, net $\begin{array}{cccc} \mbox{4.3 kg} & | & 9.48 \mbox{ lb} \\ \mbox{Weight, without mounting hardware} & 3.8 \mbox{ kg} & | & 8.378 \mbox{ lb} \\ \end{array}$

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

