

2X Triplexer 1710-1880/1920-2170/2300-2690, dc bypass on all ports with 4.3-10 connectors

- Industry leading PIM performance
- Twin configuration
- Designed for network Modernization, introduction of LTE2300 on existing site
- Designed for network Modernization, introduction of LTE2600 on existing site
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG pass-through on all frequency ports

Product Classification

Product Type Triplexer

General Specifications

Product Family CBC182126

Color Gray
Common Port Label COMM

Modularity 2-Twin

Mounting Pole | Wall

Mounting Pipe Hardware Band clamps (2)

RF Connector Interface 4.3-10 Female

RF Connector Interface Body Style Medium neck

Dimensions

Height 182.5 mm | 7.185 in

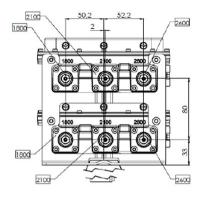
Width 129 mm | 5.079 in

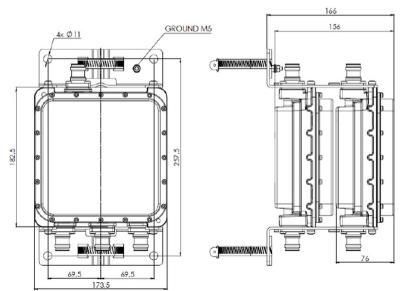
Depth 173.5 mm | 6.831 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing







Electrical Specifications

Impedance 50 ohm

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

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combinerBranch 1 | Branch 2 | Branch 3dc/AISG Pass-through, demultiplexerBranch 1 | Branch 2 | Branch 3

Lightning Surge Current 5 kA

Lightning Surge Current Waveform 8/20 waveform

Electrical Specifications

Sub-module 1 | 2 1 | 2 1 | 2

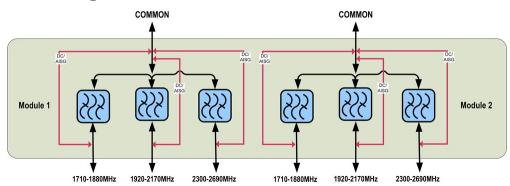
Page 2 of 4

| Branch | 1 | 2 | 3 |
|------------------|---------------------|---------------------|--|
| Port Designation | 1800 | 2100 | 2300-2600 |
| License Band | DCS 1800, Band Pass | IMT 2100, Band Pass | TDD 2300, Band Pass WCS 2300, Band Pass IMT 2600, Band Pass TDD 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, minimum, dB | 18 | 18 | 18 |
| Return Loss, typical, dB | 20 | 20 | 20 |
| Isolation, minimum, dB | 50 | 50 | 50 |
| Input Power, RMS, maximum, W | 300 | 300 | 300 |
| 3rd Order PIM, typical, dBc | -160 | -160 | -160 |
| 3rd Order PIM Test Method | Two +43 dBm carriers | Two +43 dBm carriers | Two +43 dBm carriers |

Block Diagram



Environmental Specifications

Operating Temperature $-40 \, ^{\circ}\text{C} \text{ to } +60 \, ^{\circ}\text{C} \text{ (-40 } ^{\circ}\text{F to } +140 \, ^{\circ}\text{F)}$

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

Volume 3.9 L

Weight, net 6.2 kg | 13.669 lb

COMMSCOPE®

Regulatory Compliance/Certifications

Agency

Classification

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

