

Twin Triplexer 700-800//900//1800-2600 MHz, DC Bypass on all ports, with 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Designed for network modernization application, introduction of LTE700 and LTE800 on existing site
- Industry leading PIM performance
- dc/AISG pass-through on all frequency ports
- Twin configuration

Product Classification

Product Type Triplexer

General Specifications

Product Family CBC7926

ColorGrayCommon Port LabelCOMModularity2-Twin

Mounting Pole | Wall

Mounting Pipe Hardware

RF Connector Interface

RF Connector Interface Body Style

Medium neck

Dimensions

 Height
 257 mm | 10.118 in

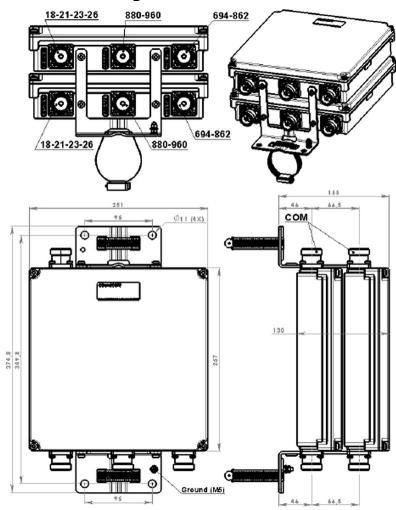
 Width
 251 mm | 9.882 in

 Depth
 130 mm | 5.118 in

Mounting Pipe Diameter Range 42.6–122 mm



Outline Drawing



Electrical Specifications

Impedance 50 ohm

2600 | LMR 750 | PCS 1900 | USA 700 | USA 750

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



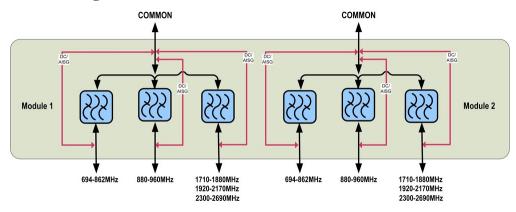
Electrical Specifications

Sub-module	1 2	1 2	1 2
Branch	1	2	3
Port Designation	DD2-800	900	18-21-23-26
License Band	APT 700, Band Pass EDD 800, Band Pass LMR 750, Band Pass USA 700, Band Pass USA 750, Band Pass	CEL 900, Band Pass	AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass IMT 2600, Band Pass PCS 1900, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	694-862	880-960	1710-2690
Insertion Loss, typical, dB	0.35	0.3	0.35
Return Loss, minimum, 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 $-40 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +140 \,^{\circ}\text{F})$

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 8.2 L

Weight, net 9.2 kg | 20.283 lb

Regulatory Compliance/Certifications

Agency Classification

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

