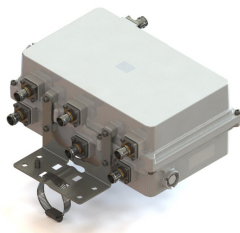


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CS-TPX 700/825-880/898.4-960 DC ALL, RJ30

- New 4.3-10 connectors for improved PIM performance and size reduction
- Additional Rejection in 880-890 MHz band 30 dB
- Twin configuration
- dc/AISG pass-through on all frequency ports

Product Classification

Product Type Triplexer

General Specifications

Product Family CBC1821

Color Gray

Common Port Label PORT 3 COMMON

Modularity 2-Twin

Mounting Pole | Wall

Mounting Pipe Hardware Band clamps (2)

RF Connector Interface 4.3-10 Female

RF Connector Interface Body Style Long neck

Dimensions

Height 337 mm | 13.268 in

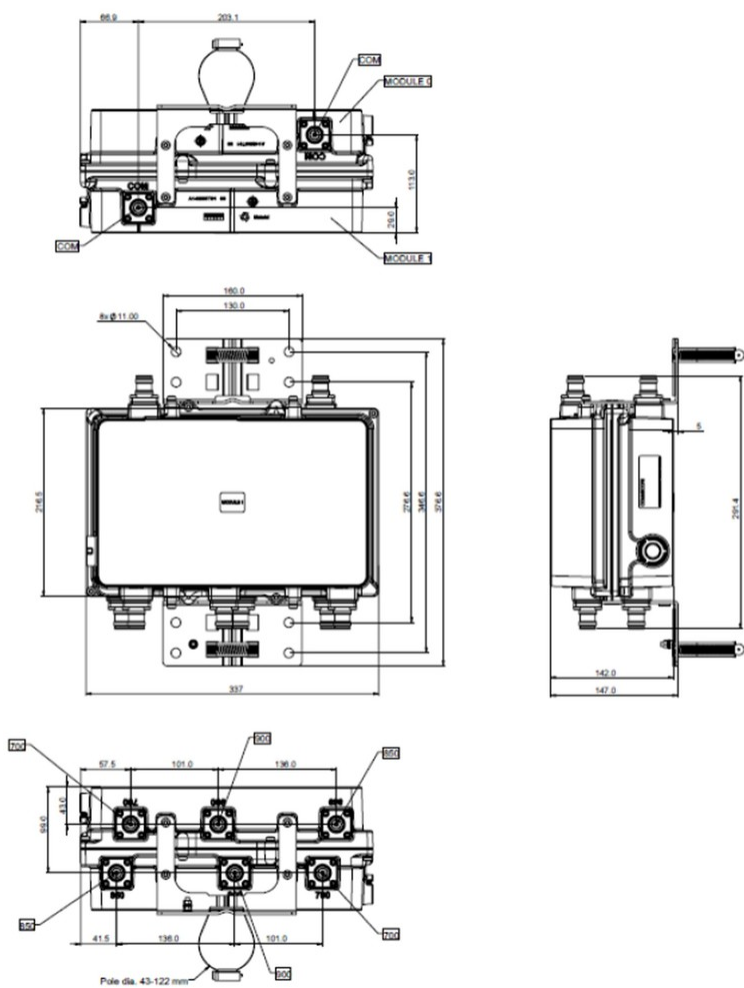
Width 216.5 mm | 8.524 in

Depth 142 mm | 5.591 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing

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Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	APT 700 CEL 850 CEL 900 DCS 1800 IMT 2100 USA 700

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	Factory set
dc/AISG Pass-through Path	Branch 1 Branch 2 Branch 3
dc/AISG Pass-through, combiner	Branch 1 Branch 2 Branch 3
dc/AISG Pass-through, demultiplexer	Branch 1 Branch 2 Branch 3
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

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Electrical Specifications

Sub-module	1 2	1 2	1 2
Branch	1	2	3
Port Designation	PORT 1 850	PORT 2 900	PORT 3 700
License Band	CEL 850, Band Pass	CEL 900, Band Pass	APT 700, Band Pass USA 700, Band Pass

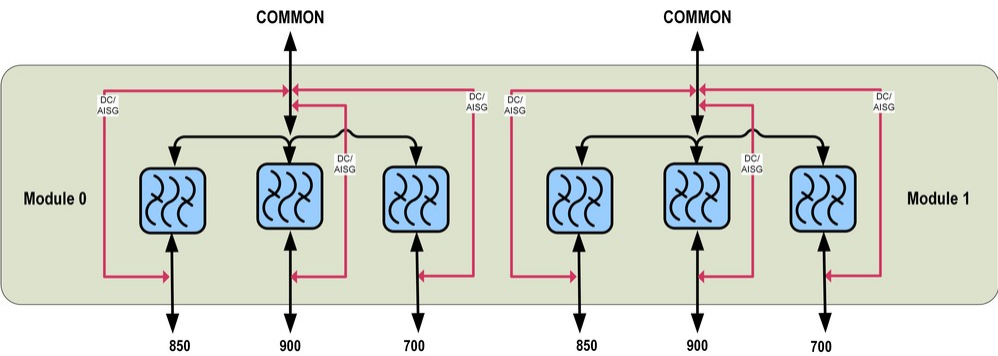
Electrical Specifications, Band Pass

Frequency Range, MHz	825–880	898.4–960	703–803
Insertion Loss, typical, dB	0.35	0.3	0.3
Return Loss, typical, dB	20	20	20
Isolation, minimum, dB	50	50	50
Input Power, RMS, maximum, W	160	160	160
Input Power, PEP, maximum, W	2500	2500	2500
3rd Order PIM, typical, dBc	-153	-153	-153
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Electrical Specifications, Band Reject

Frequency Range, MHz	880–890
Attenuation, minimum, dB	30

Block Diagram



Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67

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Packaging and Weights

Included	Mounting hardware
Volume	10.5 L
Weight, net	12 kg 26.455 lb

Regulatory Compliance/Certifications

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