E14F10P32

Twin Triplexer 1695-2200/2300-2400/2500-2690, dc smart bypass with 4.3-10 connectors

- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- New 4.3-10 connectors for improved PIM performance and size reduction
- Twin configuration

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	59.5 mm | 2.343 in
Width	155 mm | 6.102 in
Depth	338 mm | 13.307 in
Mounting Pipe Diameter Range	42.6–122 mm

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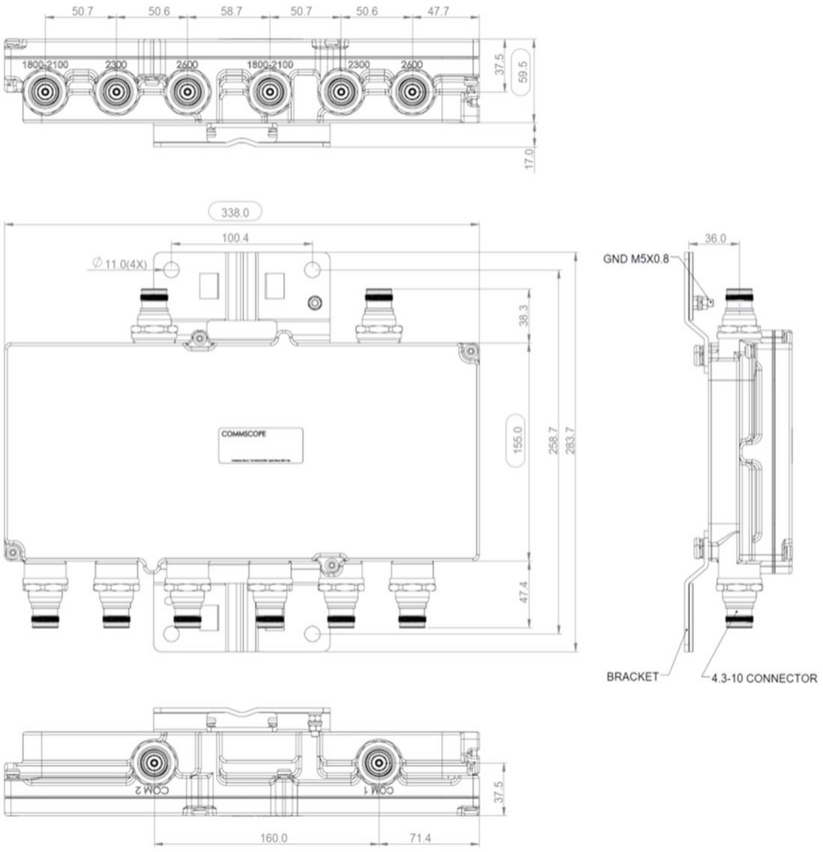
Outline Drawing



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 Method	Auto sensing
dc/AISG Pass-through Path	Auto sensing circuitry detects dc/AISG signal presence and selects path
dc/AISG Pass-through, combiner	dc Smart Bypass
dc/AISG Pass-through, demultiplexer	dc Smart Bypass
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

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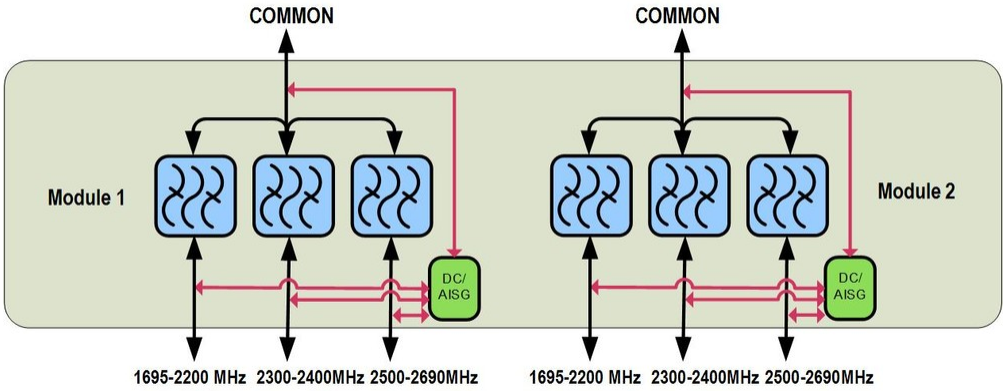
Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**	**1 | 2**
Branch	1	2	3
Port Designation	1800-2100	2300	2500-2690
License Band	DCS 1800, Band Pass IMT 2100, Band Pass	WCS 2300, Band Pass TDD 2300, Band Pass	IMT 2600, Band Pass TDD 2600, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	**1695–2200**	**2300–2400**	**2500–2690**
Insertion Loss, typical, dB	0.2	0.25	0.2
Return Loss, typical, dB	23	23	23
Isolation, minimum, dB	50	50	50
Input Power, RMS, maximum, W	300	300	300
Input Power, PEP, maximum, W	3000	3000	3000
3rd Order PIM, typical, dBc	-158	-158	-158
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °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

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Included	Mounting hardware
Volume	3.1 L
Weight, without mounting hardware	4 kg | 8.818 lb

Regulatory Compliance/Certifications

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