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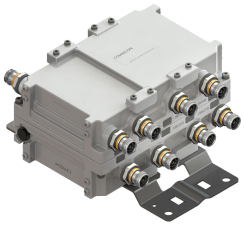

Twin Quadplexer 700-800//900//1400-2100//2300-2600 MHz, DC bypass on 1400-2100 MHz port, with 4.3-10 connectors

- Industry leading PIM performance
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- Designed for network modernization application, introduction of LTE 4x4 MIMO
- Suitable for feeders cables reduction
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG pass-through on middle frequency ports

Product Classification

Product Type	Quadplexer

General Specifications

Color	Gray
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	230 mm | 9.055 in
Width	155 mm | 6.102 in
Depth	121 mm | 4.764 in
Mounting Pipe Diameter Range	43–122 mm

Outline Drawing

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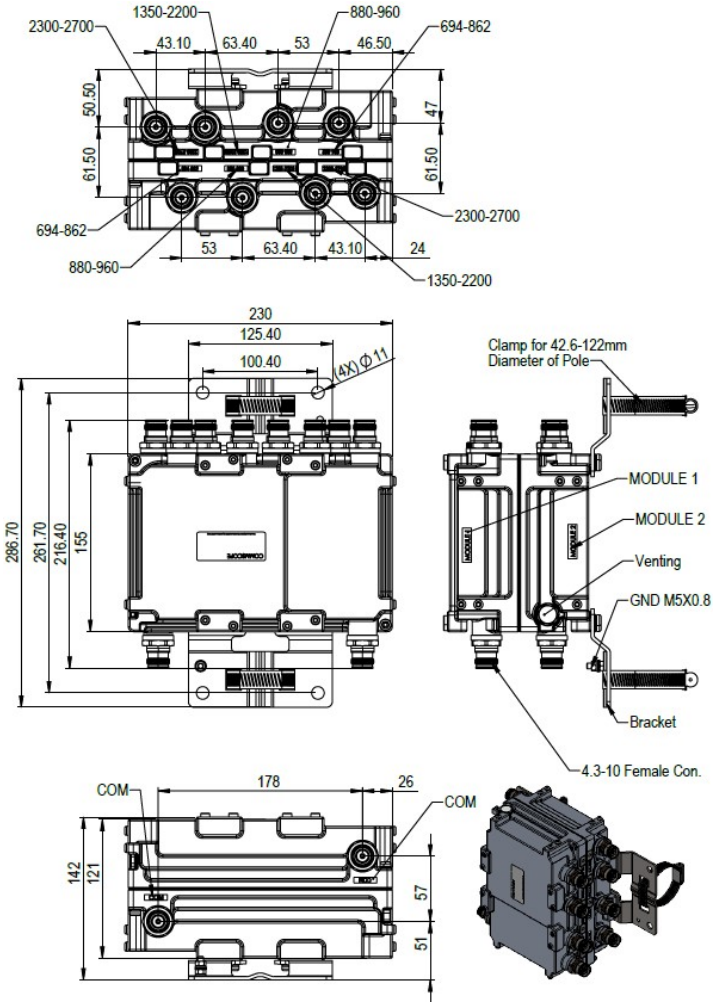


Electrical Specifications

Impedance	50 ohm

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner	Branch 3
dc/AISG Pass-through, demultiplexer	Branch 3
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications, AISG

AISG Carrier	2176 KHz ± 100 ppm
Insertion Loss, maximum	1 dB

Return Loss, minimum	15 dB

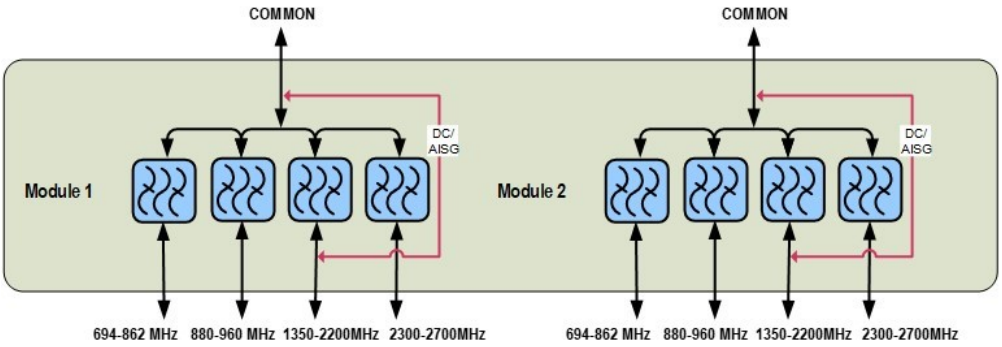
Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**	**1 | 2**	**1 | 2**
Branch	1	2	3	4
Port Designation	PORT 1 694-862MHz	PORT 2 880-960MHz	PORT 3 1350-2200MHz	PORT 4 2300-2700MHz

Electrical Specifications, Band Pass

Frequency Range, MHz	**694–862**	**880–960**	**1350–2200**	**2300–2700**
Insertion Loss, typical, dB	0.15	0.25	0.15	0.15
Return Loss, typical, dB	20	20	20	20
Isolation, minimum, dB	50	50	50	50
Input Power, RMS, maximum, W	200	200	200	200
Input Power, PEP, maximum, W	2000	2000	2000	2000
3rd Order PIM, typical, dBc	-160	-160	-160	-160
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Mechanical Specifications

Wind Speed, maximum	150 km/h (93 mph)

Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Corrosion Test Method	IEC 60068-2-11, 30 days
Environmental Test Method	ETSI EN 300 019-1-4

E14F15P37

Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Volume	4.3 L
Weight, net	6.1 kg | 13.448 lb
Weight, without mounting hardware	5.6 kg | 12.346 lb