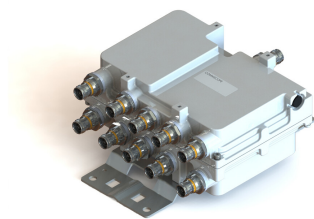


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Twin Pentaplexer 703-803/880-960/1710-1880/1920-2170/2500-2690, dc bypass on all ports, with 4.3-10 connectors

- Designed for network Modernization, introduction of LTE2600 on existing site
- New 4.3-10 connectors for improved PIM performance and size reduction
- Suitable for feeders cables reduction
- dc/AISG pass-through on all frequency ports
- Clam shell configuration

Product Classification

Product Type Pentaplexer

General Specifications

Color Gray

Modularity 2-Twin

Mounting Pole | Wall

Mounting Pipe Hardware Band clamps (2)

RF Connector Interface 4.3-10 Female

Dimensions

Height 119 mm | 4.685 in

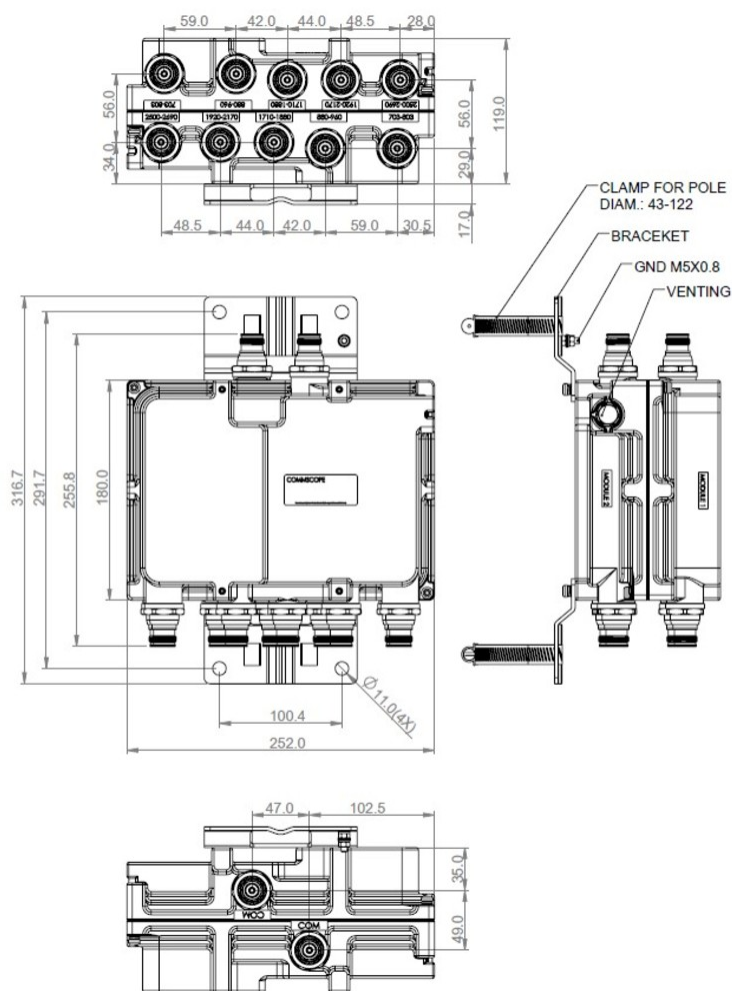
Width 252 mm | 9.921 in

Depth 180 mm | 7.087 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing

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Electrical Specifications

Impedance 50 ohm

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	Factory set				
dc/AISG Pass-through Path	Branch 1	Branch 2	Branch 3	Branch 4	Branch 5
dc/AISG Pass-through, combiner	Branch 1	Branch 2	Branch 3	Branch 4	Branch 5
dc/AISG Pass-through, demultiplexer	Branch 1	Branch 2	Branch 3	Branch 4	Branch 5
Lightning Surge Current	5 kA				
Lightning Surge Current Waveform	8/20 waveform				

Electrical Specifications, AISG

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AISG Carrier	2176 KHz ± 100 ppm
Insertion Loss, maximum	0.5 dB
Return Loss, minimum	15 dB

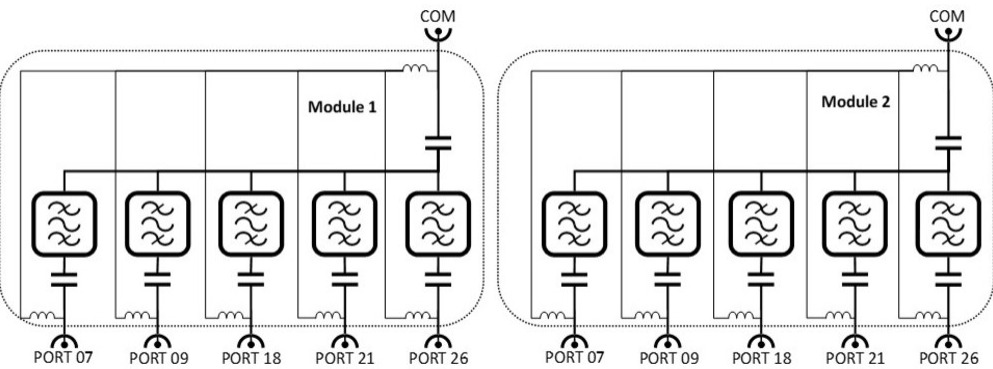
Electrical Specifications

Sub-module	1 2	1 2	1 2	1 2	1 2
Branch	1	2	3	4	5
Port Designation	PORT 1 703-803	PORT 2 880-960	PORT 3 1710-1880	PORT 4 1920-2170	PORT 5 2500-2690

Electrical Specifications, Band Pass

Frequency Range, MHz	703–803	880–960	1710–1880	1920–2170	2500–2690
Insertion Loss, typical, dB	0.15	0.15	0.25	0.25	0.15
Return Loss, typical, dB	20	20	20	20	20
Isolation, typical, dB	55	55	55	55	55
Input Power, RMS, maximum, W	100	100	100	100	100
Input Power, PEP, maximum, W	1000	1000	1000	1000	1000
3rd Order PIM, typical, dBc	-155	-155	-155	-155	-155
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



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

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Ingress Protection Test Method	IEC 60529:2001, IP67
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Included	Mounting hardware
Volume	5.4 L
Weight, with mounting hardware	7.4 kg 16.314 lb
Weight, without mounting hardware	6.9 kg 15.212 lb