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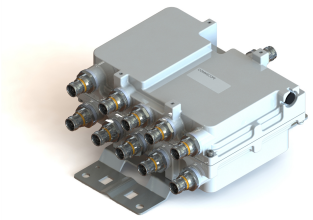


Twin Pentaplexer 703-803/880-960/1710-1880/1920-2170/2500-2690, dc bypass on all ports, with 4.3-10 connectors

- 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

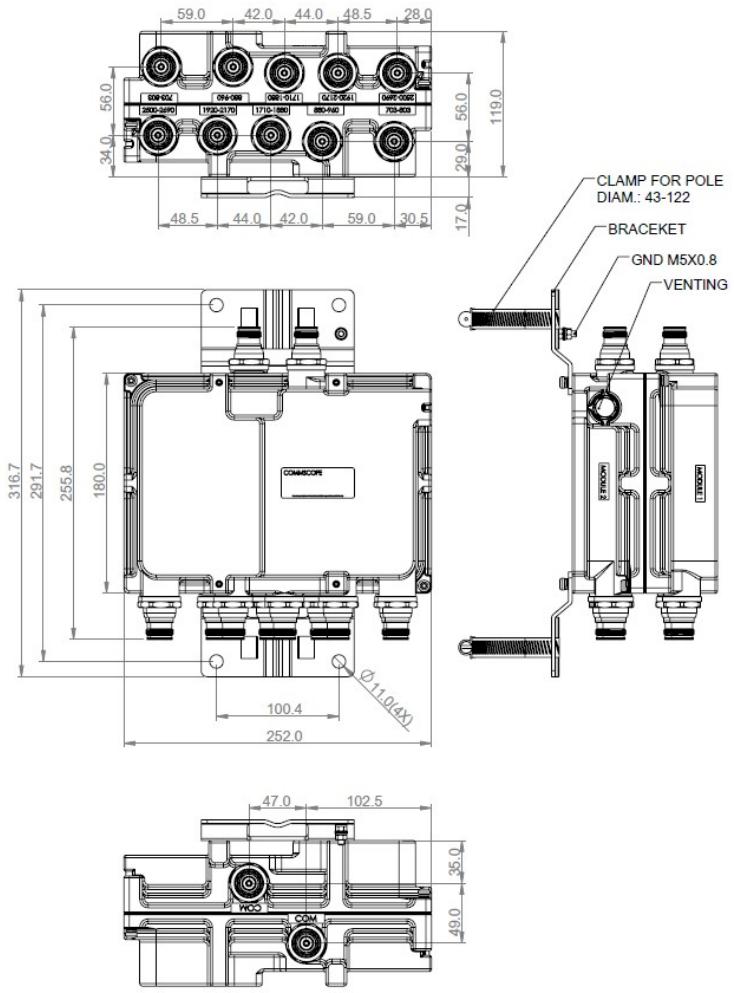
Color	Gray
Modularity	2-Twin
Mounting	Pole | Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	4.3-10 Female

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

E14F20P04



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

E14F20P04

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

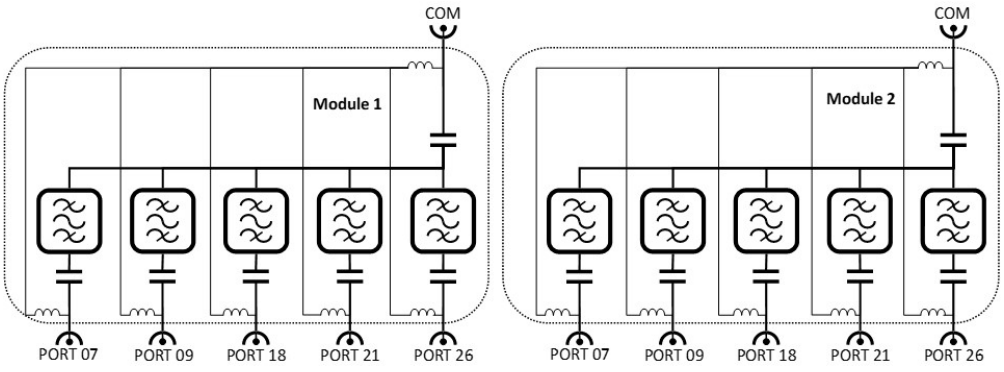
Electrical Specifications

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

E14F20P04

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