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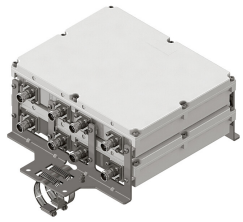

Twin Quadplexer 700-800//900//1800//2100-2600 MHz, with 4.3-10 connectors, dc bypass on port 1

- Industry leading PIM performance
- Designed for network modernization application, introduction of LTE700 and LTE800 on existing site
- New 4.3-10 connectors for improved PIM performance and size reduction
- Suitable for feeders cables reduction

OBSOLETE

This product was discontinued on: December 30, 2024

Replaced By:

E14F15P10	Twin Quadplexer 700-800//900//1800//2100-2600 MHz,4.3-10 connectors,dc bypass on all 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	263 mm | 10.354 in
Width	328 mm | 12.913 in
Depth	130.5 mm | 5.138 in
Mounting Pipe Diameter Range	42.6–122 mm

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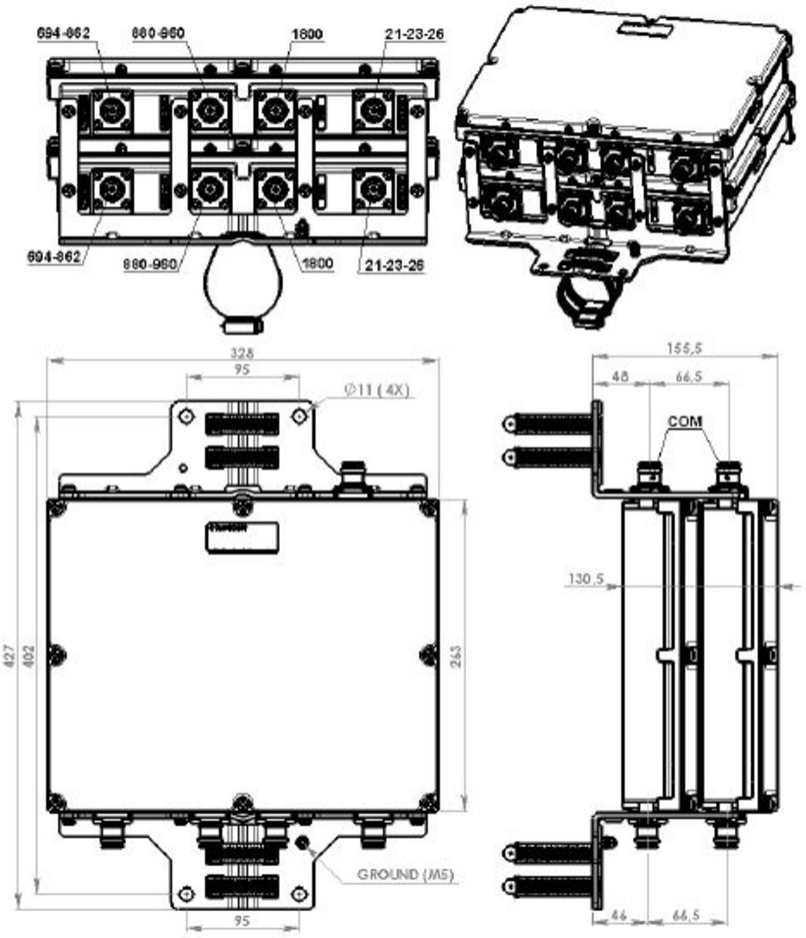
Outline Drawing



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	APT 700 | CEL 850 | CEL 900 | DCS 1800 | EDD 800 | IMT 2100 | IMT 2600 | LMR 800 | LMR 900 | TDD 2300
License Band, LNA	DCS 1800

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner	Branch 1
dc/AISG Pass-through, demultiplexer	Branch 1
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

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Electrical Specifications, AISG

AISG Carrier	2176 KHz ± 100 ppm
Insertion Loss, maximum	1 dB
Return Loss, minimum	10 dB

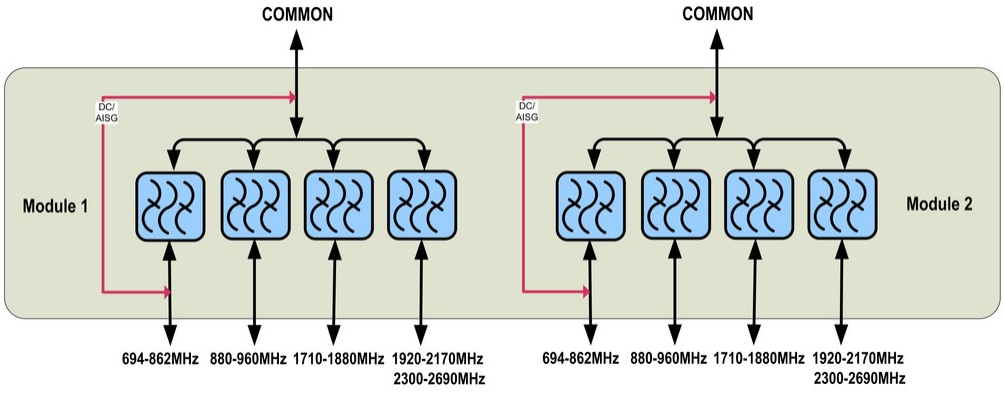
Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**	**1 | 2**	**1 | 2**
Branch	1	2	3	4
Port Designation	PORT 1 694-862	PORT 2 880-960	PORT 3 1710-1880	PORT 4 1920-2170 2300-2690
License Band	APT 700, Band Pass CEL 850, Band Pass EDD 800, Band Pass LMR 800, Band Pass	CEL 900, Band Pass LMR 900, Band Pass	DCS 1800, LNA	IMT 2600, Band Pass IMT 2100, Band Pass TDD 2300, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	**694–862**	**880–960**	**1710–1880**	**1920–2170** **2300–2690**
Insertion Loss, typical, dB	0.3	0.3	0.25	0.25
Return Loss, typical, dB	22	22	22	22
Isolation, minimum, dB	50	50	50	50
Input Power, RMS, maximum, W	300	300	300	300
3rd Order PIM, maximum, 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	216 km/h (134 mph)

Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity	15%–100%
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Included	Mounting hardware
Weight, net	10.4 kg | 22.928 lb