E14F10P29

Twin Triplexer 1350-1525//18//21-23-26 MHz, dc smart bypass, with 4.3-10 connectors

- Designed for network modernization application, introduction of LTE1400 on existing site
- New 4.3-10 connectors for improved PIM performance and size reduction
- DC/AISG SMART bypass functionality
- Twin configuration

Product Classification

Product Type	Triplexer

General Specifications

Color	Gray
Common Port Label	COM
Modularity	2-Twin
Mounting	Pole | Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	4.3-10 Female
RF Connector Interface Body Style	Long neck

Dimensions

Height	193 mm | 7.598 in
Width	190 mm | 7.48 in
Depth	137 mm | 5.394 in
Mounting Pipe Diameter Range	42.6–122 mm

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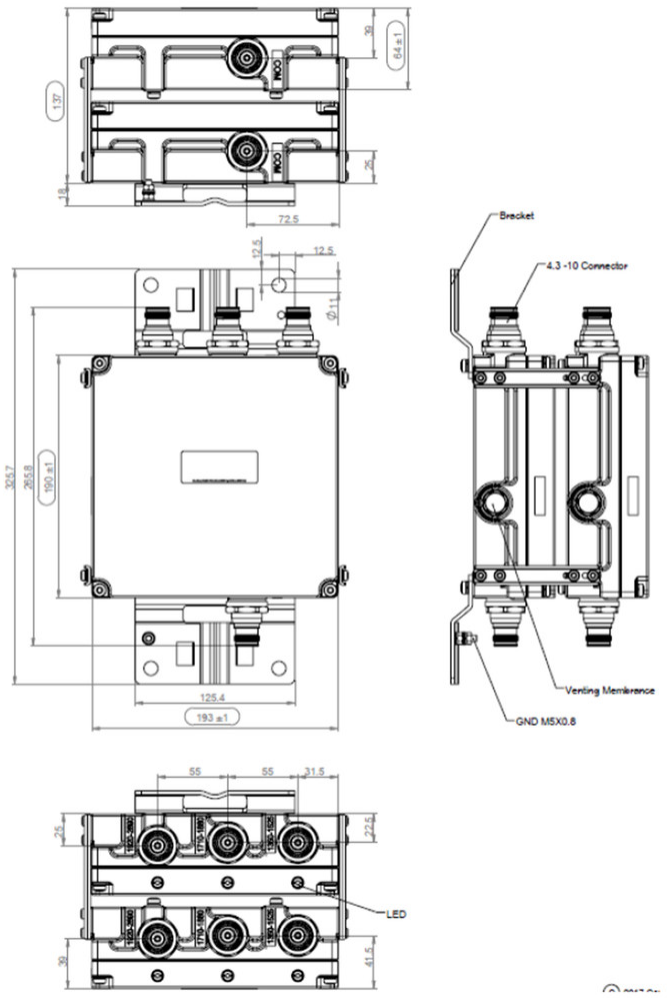
Outline Drawing



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	CEL 900 | DCS 1800 | EDD 800 | IMT 2100 | PDC 1500 | SDL 1400 | TDD 2300 | TDD 2600 | WCS 2300
License Band, LNA	DCS 1800 | IMT 2100 | PDC 1500 | WCS 2300

Electrical Specifications, dc Power/Alarm

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	1350-1525	1710-1880	1920-2690
License Band	SDL 1400, Band Pass PDC 1500, Band Pass	DCS 1800, LNA	TDD 2600, Band Pass TDD 2300, Band Pass WCS 2300, Band Pass IMT 2100, LNA

Electrical Specifications, Band Pass

Frequency Range, MHz	**1350–1525**	**1710–1880**	**1920–2690**
Insertion Loss, typical, dB	0.15	0.25	0.15
Return Loss, typical, dB	20	20	20
Isolation, minimum, dB	50	50	50
Input Power, RMS, maximum, W	300	300	300
Input Power, PEP, maximum, W	1500	1500	1500
3rd Order PIM, typical, dBc	-163	-163	-163
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

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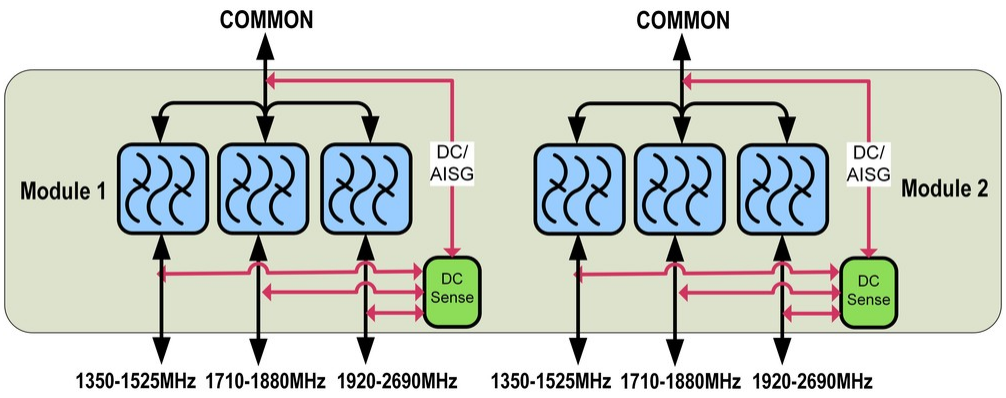
Block Diagram



Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity	Up to 100%
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP68

Packaging and Weights

Included	Mounting hardware
Volume	5 L
Weight, net	7.3 kg | 16.094 lb

Regulatory Compliance/Certifications

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