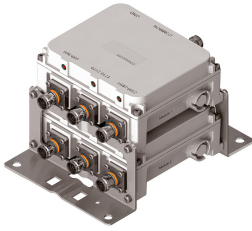# E14F10P16

Twin Triplexer 698-960//1710-2170//2300-2690 MHz, dc smart bypass, with 4.3-10 connectors

- DC/AISG SMART bypass functionality
- Twin configuration
- New 4.3-10 connectors for improved PIM performance and size reduction

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	262 mm | 10.315 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
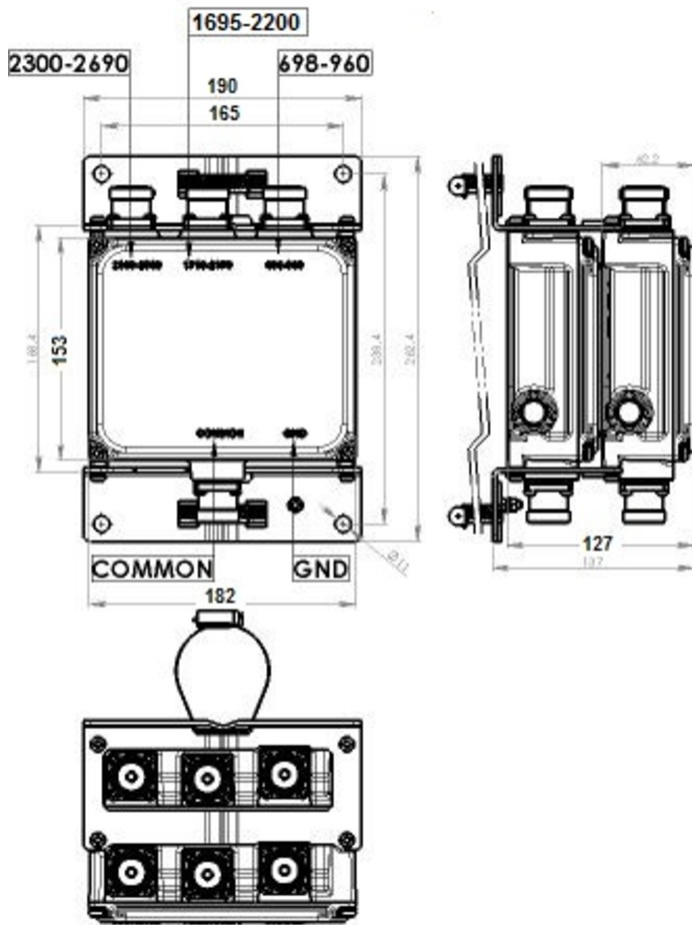
Electrical Specifications

Impedance	50 ohm

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

Electrical Specifications

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Sub-module	1 | 2	1 | 2	1 | 2
Branch	1	2	3
Port Designation	698-960	1710-2170	2300-2690
License Band	CEL 900, Band Pass	AWS 2000, Band Pass IMT 2100, Band Pass	TDD 2600, Band Pass TDD 2300, Band Pass WCS 2300, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	698–960	1710–2170	2300–2690
Insertion Loss, typical, dB	0.15	0.3	0.35
Return Loss, typical, dB	20	20	20
Isolation, minimum, dB	50	50	50
3rd Order PIM, typical, dBc	-155	-155	-155
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram
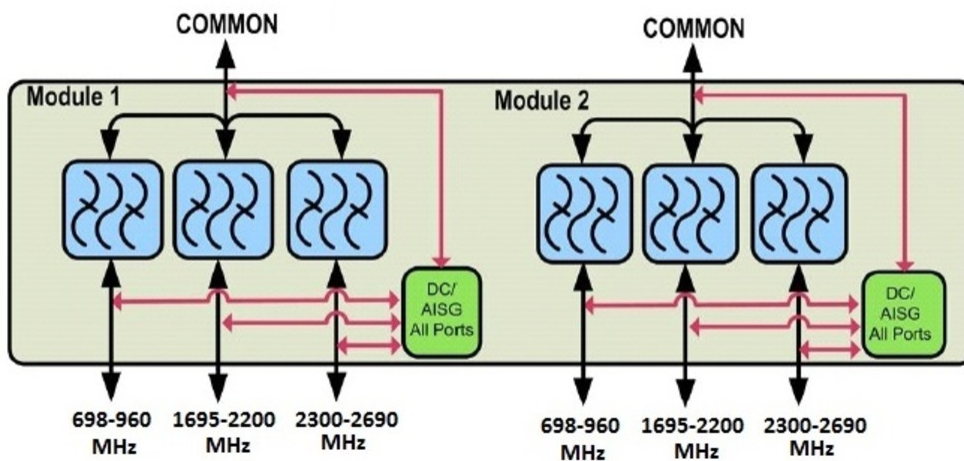
Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
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	3.9 L

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Weight, net	6.3 kg	13.889 lb

Regulatory Compliance/Certifications

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

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