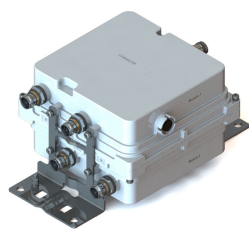


E14F06P09



Twin Diplexer, 700/800 MHz, dc smart by pass on all ports

- Designed for network Modernization, introduction of LTE700 on existing site
- New 4.3-10 connectors for improved PIM performance and size reduction
- Twin configuration
- DC/AISG SMART bypass functionality

OBSOLETE

This product was discontinued on: December 30, 2024

Replaced By:

E14F06P54 Twin Diplexer, 703-788 MHz/796-847 MHz, DC SMART bypass, with 4.3-10 connectors

Product Classification

Product Type Diplexer

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 214 mm | 8.425 in

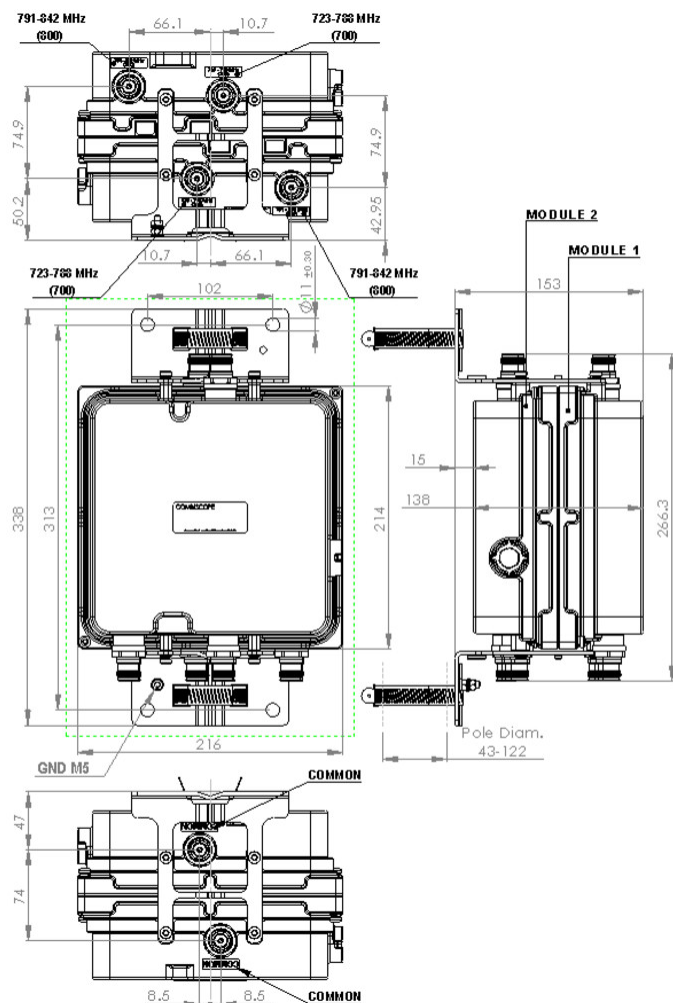
Width 216 mm | 8.504 in

Depth 138 mm | 5.433 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing

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Electrical Specifications

Impedance	50 ohm
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications, dc Power/Alarm

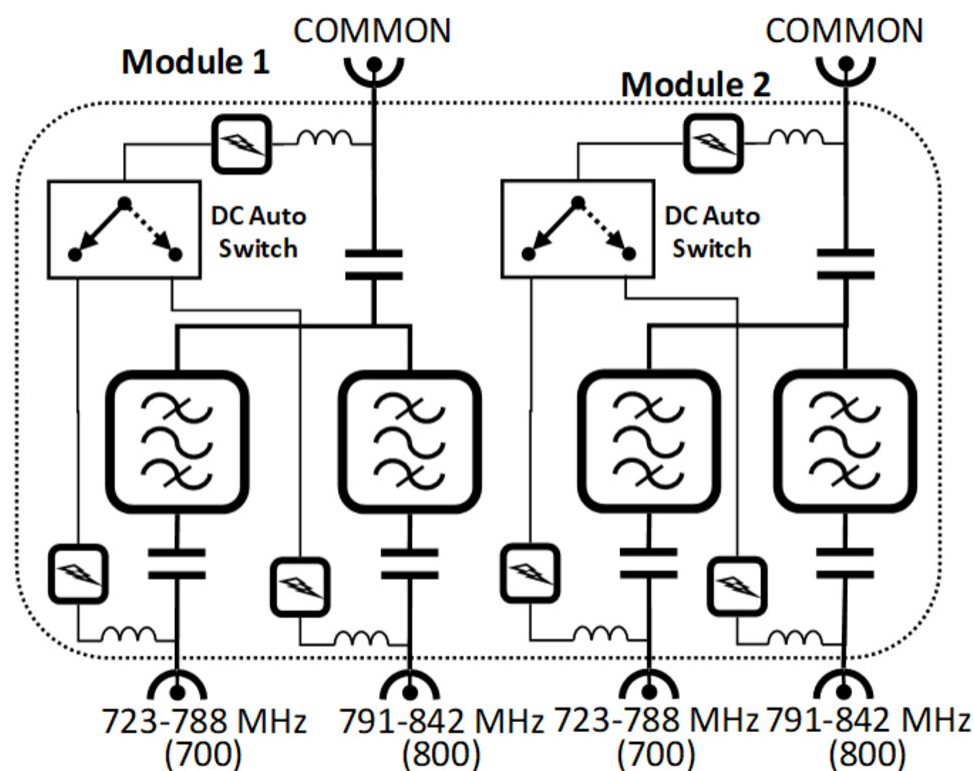
dc/AISG Pass-through Method	Auto sensing
dc/AISG Pass-through Path	Auto sensing circuitry detects dc/AISG signal presence and selects path
dc/AISG Pass-through, combiner	Autosensing
dc/AISG Pass-through, demultiplexer	Autosensing

Electrical Specifications, Band Pass

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Frequency Range, MHz	723–788	791–842
Insertion Loss, maximum, dB	1.5	1.5
Insertion Loss, typical, dB	0.35	0.35
Return Loss, minimum, dB	18	18
Isolation, minimum, dB	40	40
Input Power, RMS, maximum, W	200	200
Input Power, PEP, maximum, W	800	800
3rd Order PIM, maximum, dBc	-160	-160
3rd Order PIM Test Method	2 x 20 W CW tones 2 x 20 W CW tones	

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
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

E14F06P09

Included	Mounting hardware
Volume	6.4 L
Weight, net	5.5 kg 12.125 lb