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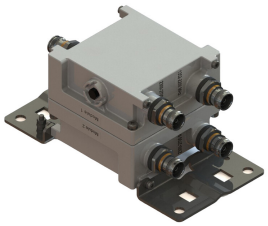

Twin Diplexer, 1350-2200 / 2300-2700 MHz, dc bypass all ports, 4.3-10 connectors

- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- Twin configuration
- Designed for network Modernization, introduction of LTE1800 on existing site
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- dc/AISG pass-through on all frequency ports

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
RF Connector Interface Body Style	Long neck

Dimensions

Height	102 mm | 4.016 in
Width	121 mm | 4.764 in
Depth	117 mm | 4.606 in
Mounting Pipe Diameter Range	43–122 mm

Outline Drawing

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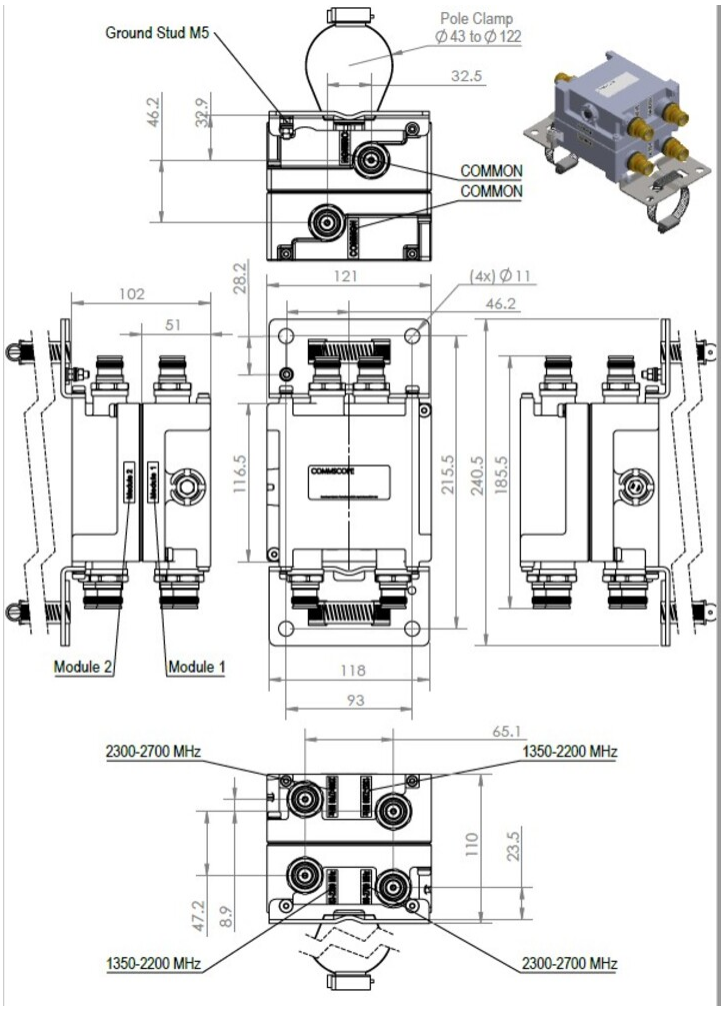


Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	AWS 1700 | DCS 1800 | IMT 2100 | IMT 2600 | PCS 1900 | WCS 2300

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Path	Branch 1 | Branch 2
dc/AISG Pass-through, combiner	Branch 1 | Branch 2
dc/AISG Pass-through, demultiplexer	Branch 1 | Branch 2
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

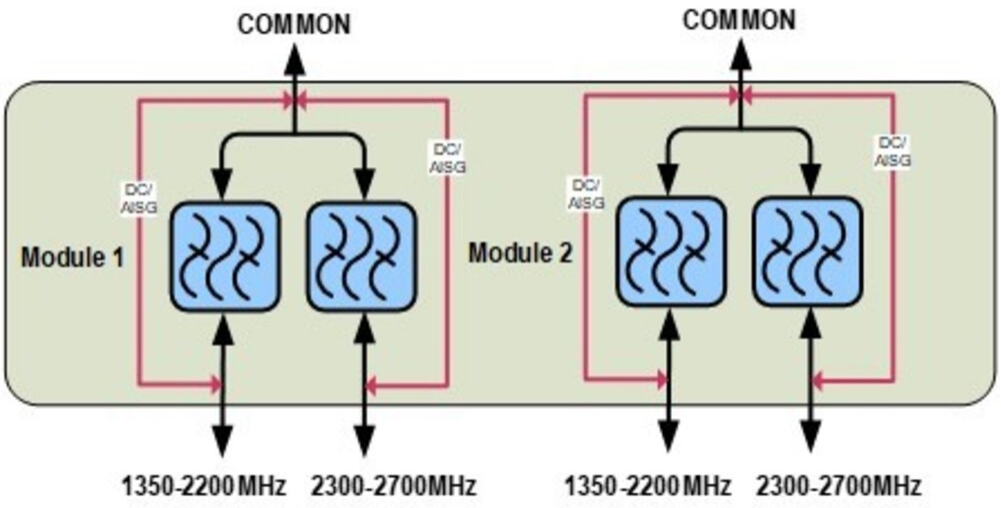
E14F06P48

Sub-module	**1 | 2**	**1 | 2**
Branch	1	2
Port Designation	1350-2200	2300-2700
License Band	AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass PCS 1900, Band Pass	IMT 2600, Band Pass WCS 2300, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	**1350–2200**	**2300–2700**
Insertion Loss, typical, dB	0.2	0.2
Return Loss, typical, dB	20	20
Isolation, typical, dB	52	52
Input Power, RMS, maximum, W	300	300
Input Power, PEP, maximum, W	2000	2000
3rd Order PIM, typical, dBc	-162	-162
3rd Order PIM Test Method	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
Environmental Test Method	ETSI EN 300 019-1-4

Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Volume	1.45 L
Weight, with mounting hardware	2.8 kg | 6.173 lb
Weight, without mounting hardware	2.4 kg | 5.291 lb