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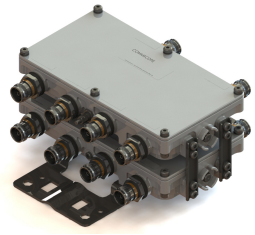

Ultra Compact Quad Diplexer, 3700–3800/3900–4100 MHz, DC Block, with 4.3-10 connectors

- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG blocking on all ports
- New Combining Solution to introduce 5G, 3.5GHz band
- Compact form factor with reduced size and weight

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	92 mm | 3.622 in
Width	220 mm | 8.661 in
Depth	121 mm | 4.764 in
Mounting Pipe Diameter Range	42.6–122 mm

Outline Drawing

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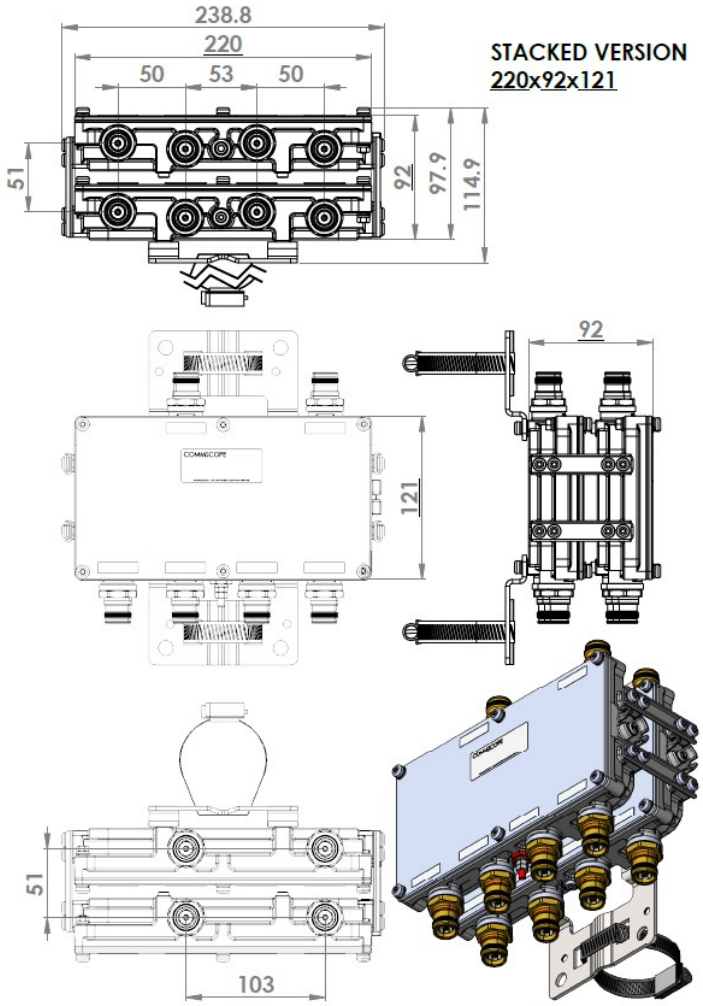

Electrical Specifications

Impedance	50 ohm

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	No dc/AISG pass-through

Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**
Branch	1	2
Port Designation	PORT 1 3700-3800	PORT 2 3900-4100

Electrical Specifications, Band Pass

Frequency Range, MHz	**3700–3800**	**3900–4100**

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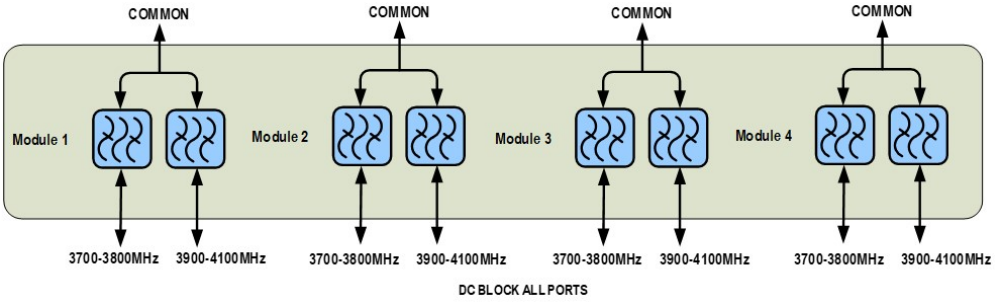
Insertion Loss, typical, dB	0.4	0.4
Return Loss, typical, dB	20	20
Isolation, typical, dB	35	35
Input Power, RMS, maximum, W	100	100
Input Power, PEP, maximum, W	1000	1000
3rd Order PIM, maximum, dBc	-150	-150
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
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	2.45 L
Weight, net	4.8 kg | 10.582 lb
Weight, without mounting hardware	4.5 kg | 9.921 lb