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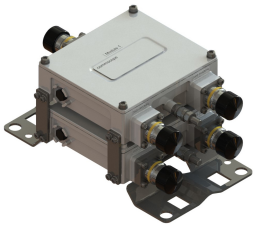

Ultra Compact Twin Diplexer 3400-3440MHz/3520-3600MHz, DC bypass on Low band, 4.3-10 connectors

- New Combining Solution to introduce 5G, 3.5GHz band
- Suitable for space limited applications like Metro Cell, Lamp Pole, Concealment Solution and Macro Site
- Compact form factor with reduced size and weight
- Ideal for small cell applications
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG pass-through on low frequency ports
- Twin configuration

Product Classification

Product Type	Diplexer

General Specifications

Color	Gray
Connector Interface	4.3-10 Female
Modularity	2-Twin
Mounting Pipe Hardware	Band clamps (2)

Dimensions

Height	100.5 mm | 3.957 in
Width	77 mm | 3.031 in
Depth	115 mm | 4.528 in

Outline Drawing

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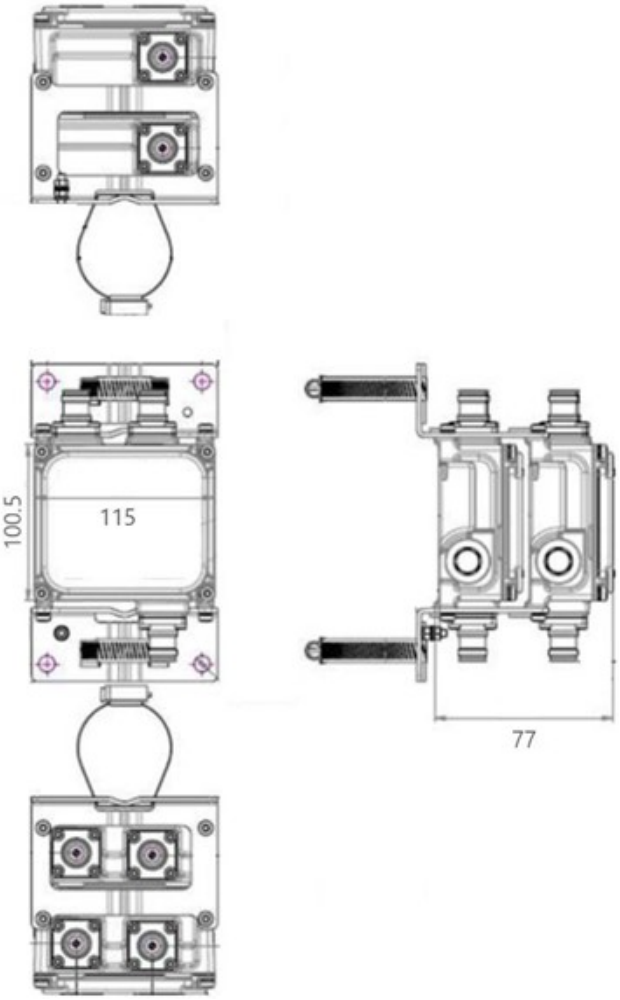


Electrical Specifications

License Band, Band Pass	TDD 3500

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner	Branch 1
dc/AISG Pass-through, demultiplexer	Branch 1
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**
Branch	1	2

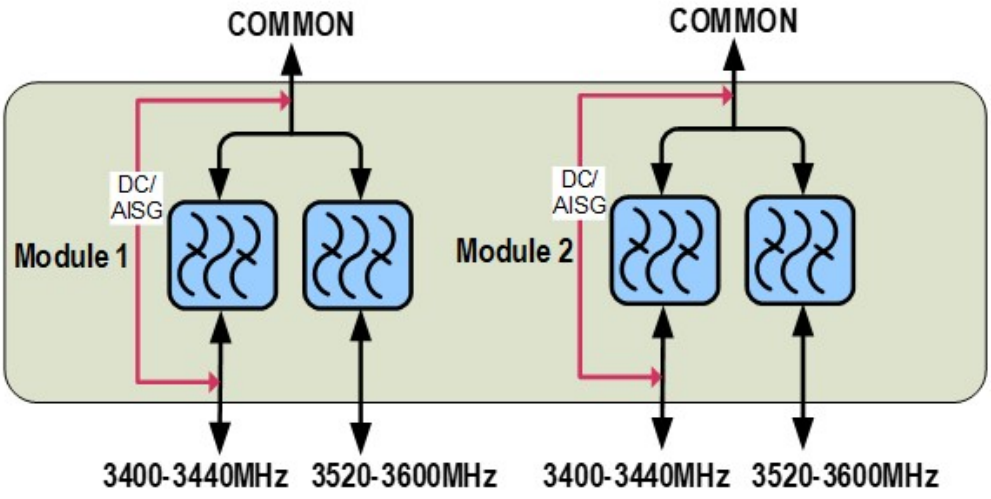
E14F06P25

Port Designation	3400-3440	3520-3600
License Band	TDD 3500, Band Pass	TDD 3500, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	**3400–3440**	**3520–3600**
Insertion Loss, typical, dB	0.4	0.4
Return Loss, typical, dB	20	20
Isolation, typical, dB	55	55
Input Power, RMS, maximum, W	100	100
Input Power, PEP, maximum, W	1000	1000
3rd Order PIM, typical, dBc	-155	-155
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

Block Diagram



Mechanical Specifications

Wind Speed, maximum	241 km/h (150 mph)

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

E14F06P25

Packaging and Weights

Included	Mounting hardware
Volume	0.85 L
Weight, net	1.8 kg | 3.968 lb
Weight, without mounting hardware	1.6 kg | 3.527 lb