

E14F55P89



Ultra Compact Twin Diplexer 80-2690MHz/3300-5925MHz, DC Low, 4.3-10

- New Combining Solution to introduce 5G, 3.5GHz band
- Industry leading PIM performance
- 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

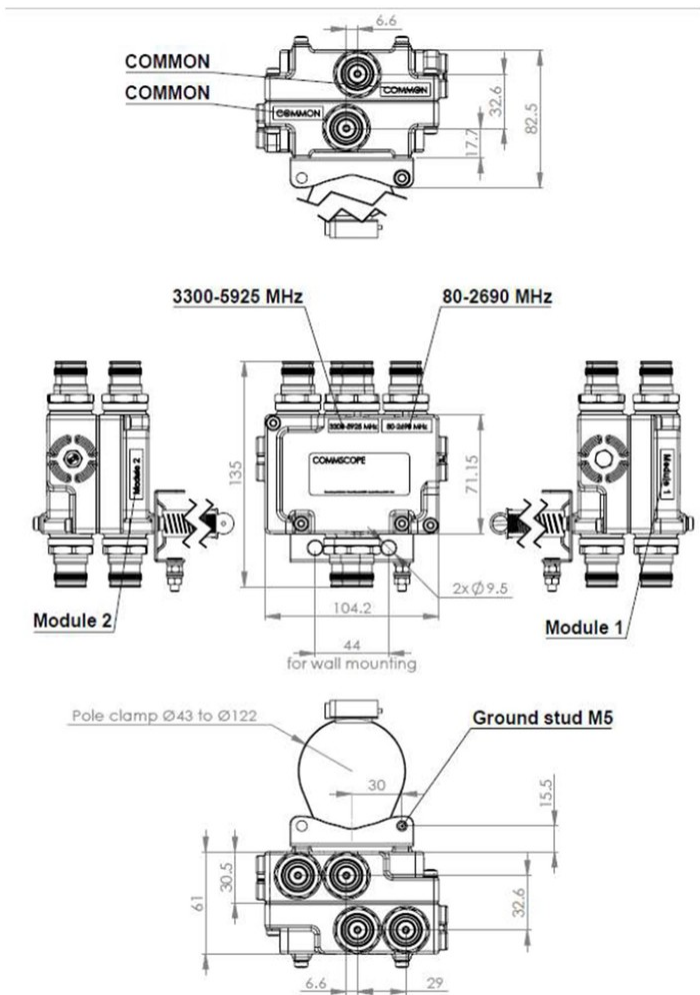
Product Type Diplexer

Dimensions

Height 71.15 mm | 2.801 in
Width 104.2 mm | 4.102 in
Depth 61 mm | 2.402 in

Outline Drawing

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Electrical Specifications

License Band, Band Pass

APT 700 | AWS 1700 | CEL 850 | CEL 900 | DCS 1800 | EDD 800 | IMT 2100 | IMT 2600 | LAA 5000 | PCS 1900 | TDD 1900 | TDD 2300 | TDD 2600 | TDD 3500 | WCS 2300

Electrical Specifications

Sub-module

Branch

Port Designation

License Band

1 | 2

1

80-2690

APT 700, Band Pass
EDD 800, Band Pass
CEL 850, Band Pass
CEL 900, Band Pass
DCS 1800, Band Pass
IMT 2100, Band Pass
TDD 2300, Band Pass

1 | 2

2

3300-5925

LAA 5000, Band Pass
TDD 3500, Band Pass

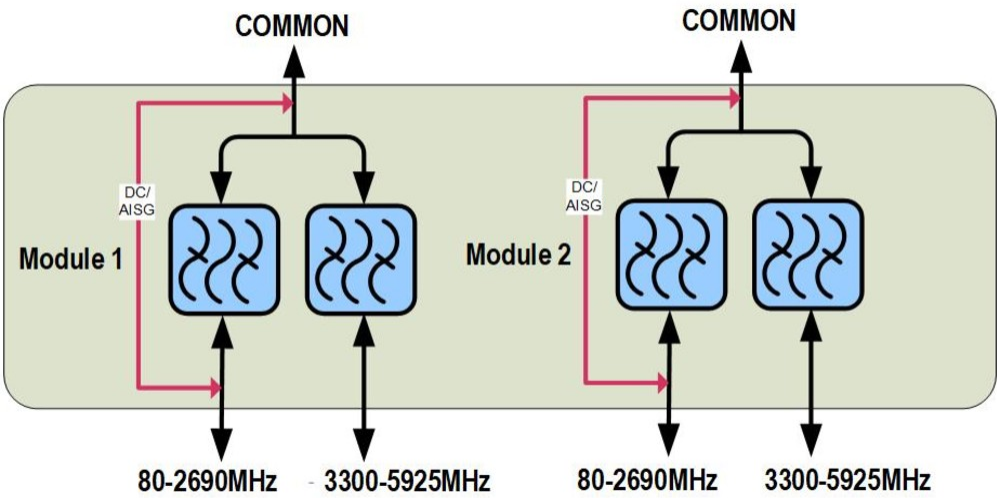
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TDD 2600, Band Pass
IMT 2600, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	80–2690	3300–5925
Insertion Loss, typical, dB	0.2	0.2
Return Loss, typical, dB	20	20
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	100	100
Input Power, PEP, maximum, W	1000	1000
3rd Order PIM, typical, dBc	-157	-157
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

Block Diagram



Environmental Specifications

Ingress Protection Test Method IEC 60529:2001, IP67

Packaging and Weights

Weight, with mounting hardware	1.35 kg 2.976 lb
Weight, without mounting hardware	1.3 kg 2.866 lb