

# E14F55P89

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## 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

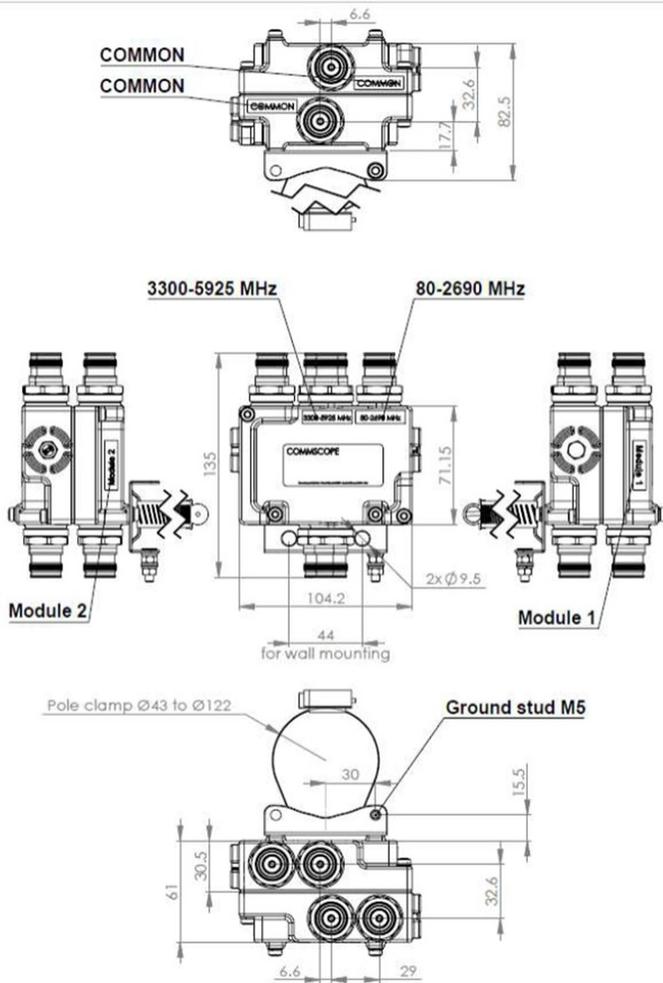
**Height** 71.15 mm | 2.801 in

**Width** 104.2 mm | 4.102 in

**Depth** 61 mm | 2.402 in

## Outline Drawing

# E14F55P89



## 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

1 | 2

1 | 2

### Branch

1

2

### Port Designation

80-2690

3300-5925

### License Band

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

LAA 5000, Band Pass  
TDD 3500, Band Pass

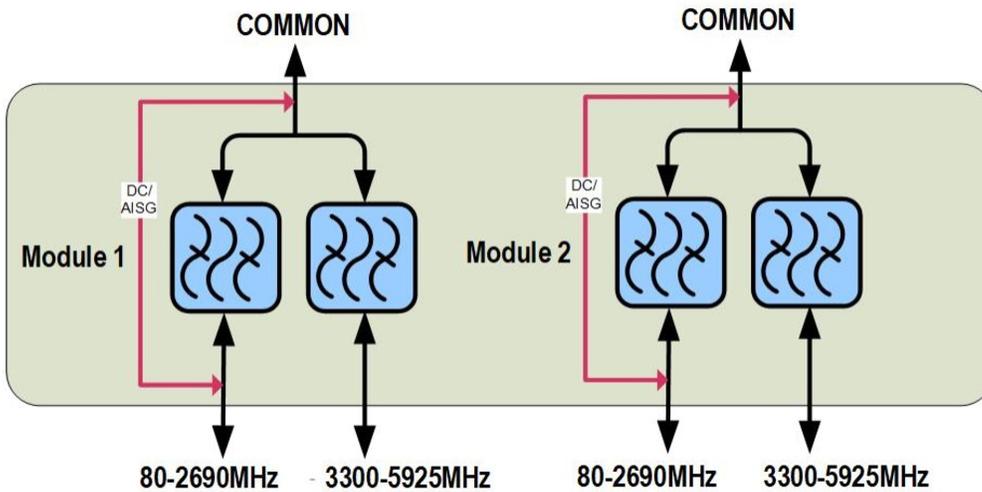
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TDD 2600, Band Pass  
 IMT 2600, Band Pass

## 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