

# E14F11P26

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Multiplexer (Diplexer plus hybrid combiner) 555-2690MHz/3300-5925MHz/555-5925, 4.3-10, DC Block

- New Combining Solution to introduce 5G, 3.5GHz band
- Industry leading PIM performance
- dc/AISG blocking on all ports (DC open)
- Three Inputs and Two Combined Outputs per module
- New 4.3-10 connectors for improved PIM performance and size reduction
- Single configuration

## Product Classification

**Product Type** Diplexer

## General Specifications

**Modularity** 1-Single

**Mounting** Pole | Wall

**RF Connector Interface** 4.3-10 Female

## Dimensions

**Height** 160 mm | 6.299 in

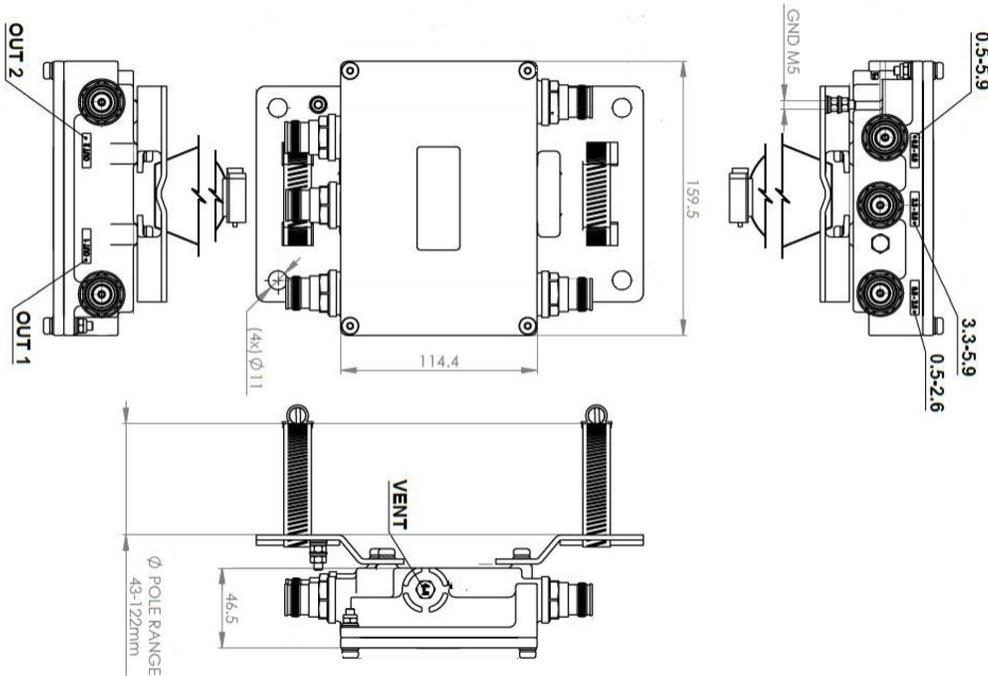
**Width** 115 mm | 4.528 in

**Depth** 47 mm | 1.85 in

**Ground Screw Diameter** 5 mm | 0.197 in

## Outline Drawing

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## Electrical Specifications

### License Band, Band Pass

APT 700 | AWS 1700 | AWS 2000 | CEL 850 | CEL 900 | DCS 1800 | EDD 800 | IMT 2100 | IMT 2600 | LAA 5000 | LMR 750 | LMR 800 | PCS 1900 | SDL 1400 | TDD 2300 | TDD 2600 | TDD 3500 | TDD 5000 | USA 600 | USA 700 | USA 750 | WCS 2300

## Electrical Specifications, Common Port

### Composite Power, RMS

300 W

## Electrical Specifications, dc Power/Alarm

### dc/AISG Pass-through Method

No dc/AISG pass-through

## Electrical Specifications

<b>Sub-module</b>	1	1	1
<b>Branch</b>	1	2	3
<b>Port Designation</b>	555-2690	3300-5925	555-5925
<b>License Band</b>	APT 700, Band Pass LMR 750, Band Pass PCS 1900, Band Pass USA 700, Band Pass USA 750, Band Pass WCS 2300, Band Pass AWS 1700, Band Pass	TDD 5000, Band Pass LAA 5000, Band Pass TDD 3500, Band Pass	APT 700, Band Pass PCS 1900, Band Pass USA 700, Band Pass USA 750, Band Pass WCS 2300, Band Pass AWS 1700, Band Pass TDD 2300, Band Pass

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TDD 2300, Band Pass  
 TDD 2600, Band Pass  
 USA 600, Band Pass  
 SDL 1400, Band Pass  
 AWS 2000, Band Pass  
 CEL 850, Band Pass  
 CEL 900, Band Pass  
 DCS 1800, Band Pass  
 EDD 800, Band Pass  
 IMT 2100, Band Pass  
 IMT 2600, Band Pass

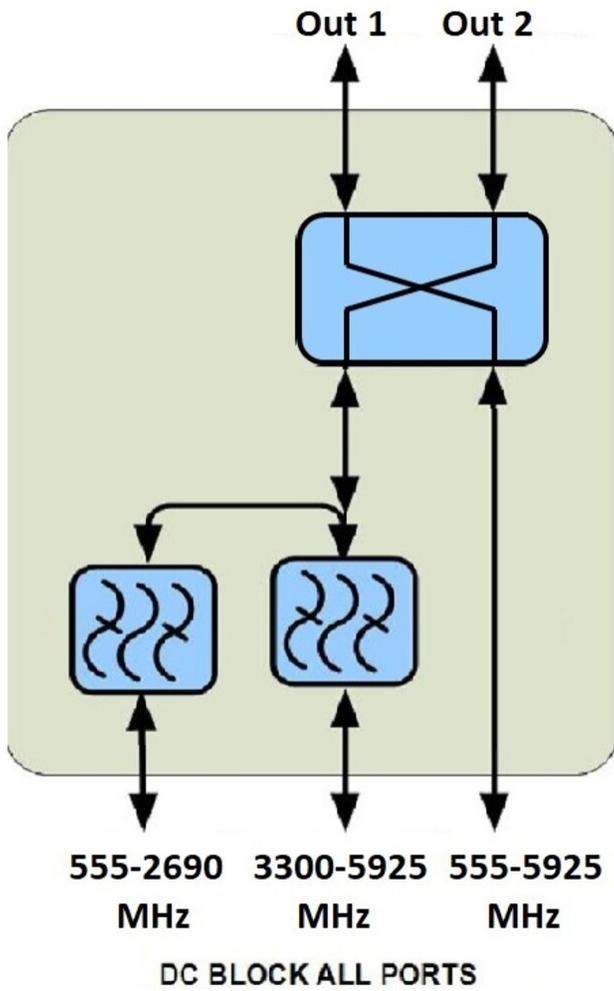
TDD 2600, Band Pass  
 TDD 5000, Band Pass  
 LAA 5000, Band Pass  
 USA 600, Band Pass  
 TDD 3500, Band Pass  
 SDL 1400, Band Pass  
 AWS 2000, Band Pass  
 LMR 800, LNA  
 CEL 850, Band Pass  
 CEL 900, Band Pass  
 DCS 1800, Band Pass  
 EDD 800, Band Pass  
 IMT 2100, Band Pass  
 IMT 2600, Band Pass

## Electrical Specifications, Band Pass

Frequency Range, MHz	555–2690	3300–5925	555–5925
Insertion Loss, maximum, dB	0.25	0.35	0.2
Coupling, dB	3	3	3
Coupling Tolerance, dB	±1.1	±1	±1.2
Total Group Delay, maximum, ns	10	10	2
Return Loss, typical, dB	20	20	20
Isolation, minimum, dB	20 @ 555–2690 50 @ 3300–5925	50 @ 555–2690 20 @ 3300–5925	20 @ 555–2690 20 @ 3300–5925
Input Power, RMS, maximum, W	100	100	100
Input Power, PEP, maximum, W	1000	1000	1000
3rd Order PIM, typical, dBc	-161	-161	-161
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones	2 x 20 W CW tones

## Block Diagram

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## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +65 °C (-40 °F to +149 °F)
<b>Corrosion Test Method</b>	IEC 60068-2-11, 30 days
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP68

## Packaging and Weights

<b>Volume</b>	0.9 L
<b>Weight, with mounting hardware</b>	1.8 kg   3.968 lb
<b>Weight, without mounting hardware</b>	1.5 kg   3.307 lb