

# E14F06P38

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Twin Diplexer, 1325-1880/1920-2690, dc/AISG pass-through on all ports, with 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Designed for network Modernization, introduction of LTE1800 on existing site
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- Twin configuration
- dc/AISG pass-through on all frequency ports

## 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** 145 mm | 5.709 in

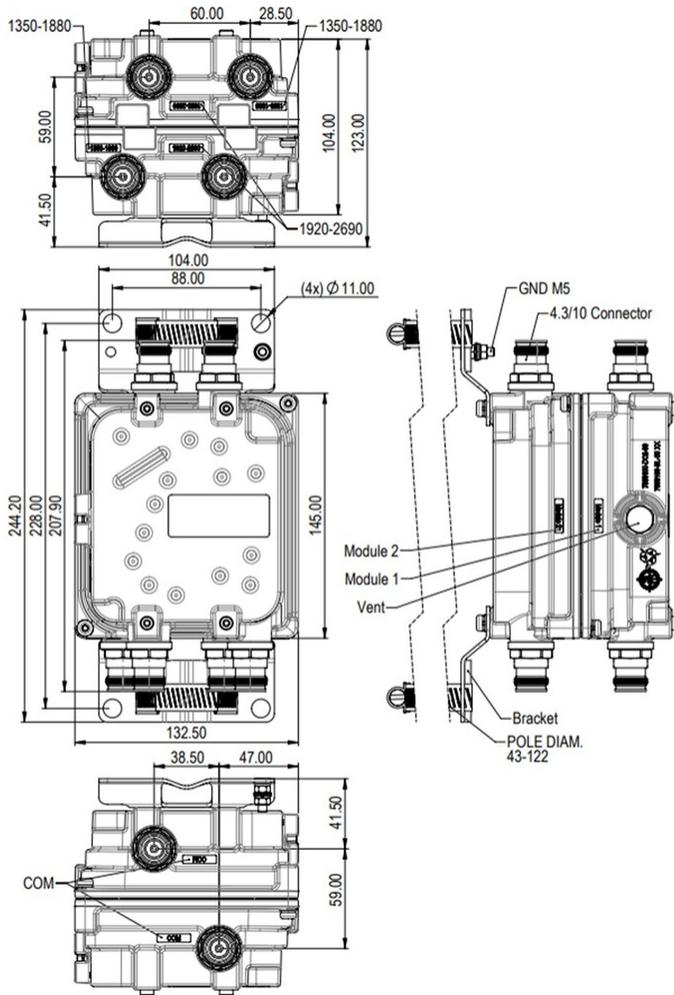
**Width** 132.5 mm | 5.217 in

**Depth** 104 mm | 4.094 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, combiner** Branch 1 | Branch 2

**dc/AISG Pass-through, demultiplexer** Branch 1 | Branch 2

**Lightning Surge Current** 10 kA

**Lightning Surge Current Waveform** 8/20 waveform

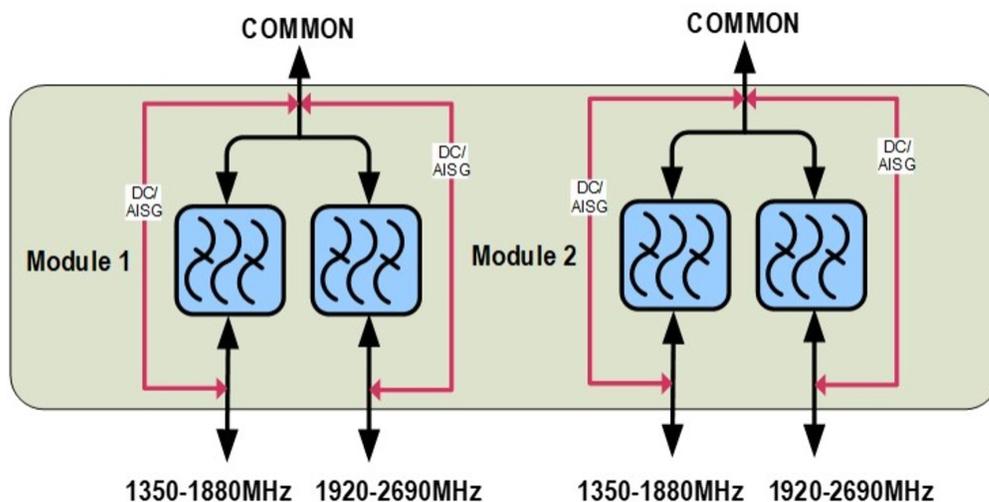
## Electrical Specifications

<b>Sub-module</b>	1   2	1   2
<b>Branch</b>	1	2

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Port Designation	PORT 1 1350-1880	PORT 2 1920-2690
Electrical Specifications, Band Pass		
Frequency Range, MHz	<b>1350–1880</b>	<b>1920–2690</b>
Insertion Loss, typical, dB	0.35	0.35
Return Loss, typical, dB	20	20
Isolation, typical, dB	52	52
Input Power, RMS, maximum, W	200	200
Input Power, PEP, maximum, W	2000	2000
3rd Order PIM, typical, dBc	-162	-162
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 L

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**Weight, net** 2.5 kg | 5.512 lb

**Weight, with mounting hardware** 2.8 kg | 6.173 lb