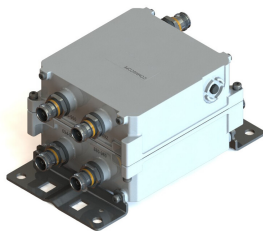


# E14F06P20



Twin Diplexer, 700-800/900 DC Bypass All ports, 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Industry leading PIM performance
- Twin configuration
- Designed for network modernization application, introduction of LTE700 and LTE800 on existing site
- 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

**RF Connector Interface Body Style** Long neck

## Dimensions

**Height** 155.5 mm | 6.122 in

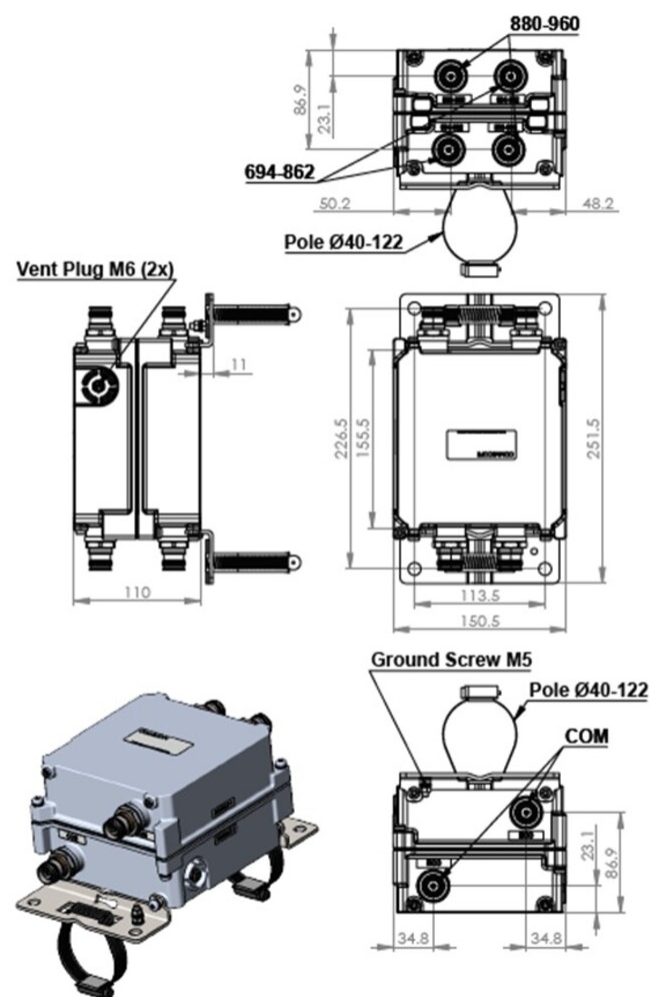
**Width** 110 mm | 4.331 in

**Depth** 150.5 mm | 5.925 in

**Mounting Pipe Diameter Range** 43–122 mm

## Outline Drawing

# E14F06P20



## Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	APT 700   CEL 900   EDD 800   LMR 800

## Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	Factory set
dc/AISG Pass-through Path	Branch 1   Branch 2
dc/AISG Pass-through, combiner	Branch 1   Branch 2

## Electrical Specifications

Sub-module	1   2	1   2
Branch	1	2

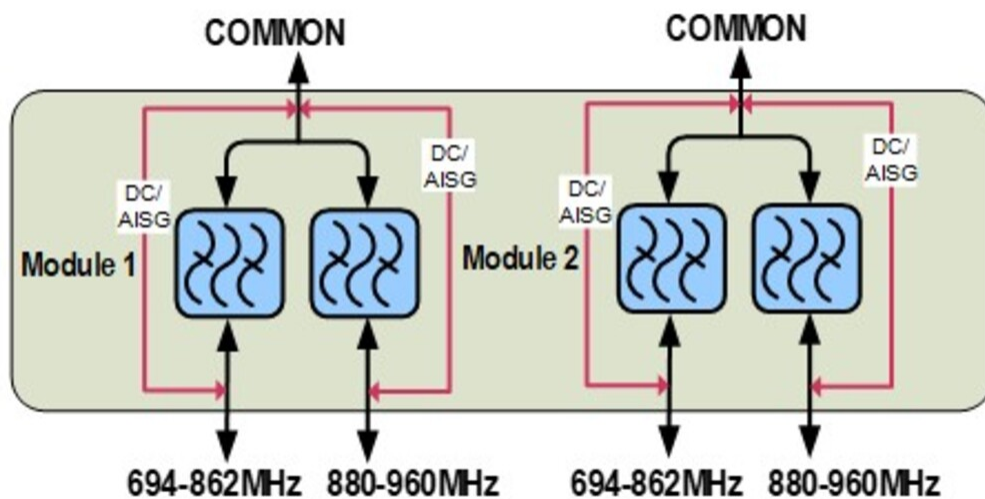
# E14F06P20

Port Designation	PORT 1 694-862	PORT 2 880-960
License Band	APT 700, Band Pass EDD 800, Band Pass LMR 800, Band Pass	CEL 900, Band Pass

## Electrical Specifications, Band Pass

Frequency Range, MHz	694–862	880–960
Insertion Loss, typical, dB	0.3	0.3
Return Loss, minimum, dB	20	20
Isolation, typical, dB	52	52
Input Power, RMS, maximum, W	300	300
Input Power, PEP, maximum, W	3000	3000
3rd Order PIM, typical, dBc	-160	-160
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

# E14F06P20

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Included	Mounting hardware
Volume	2.6 L
Weight, net	3.6 kg   7.937 lb
Weight, without mounting hardware	3.2 kg   7.055 lb

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system