# E14F06P32



Ultra Compact Single Diplexer 1350-1880/1920-2690, 4.3-10 connectors

- Ideal for small cell applications
- Compact form factor with reduced size and weight
- Suitable for space limited applications like Metro Cell, Lamp Pole, Concealment Solution and Macro Site
- New 4.3-10 connectors for improved PIM performance and size reduction
- Single configuration

This product will be discontinued on: December 31, 2024

Replaced By:

E12F05P96 Diplexer, DCS 1800/UMTS 2100, AISG compatible, dc pass on all ports with 4.3-10 connectors

#### Product Classification

Product Type Diplexer

General Specifications

**Color** Gray

**Modularity** 1-Single

Mounting Pole | Wall

Mounting Pipe Hardware Band clamps (2)

**RF Connector Interface** 4.3-10 Female

Dimensions

**Height** 48 mm | 1.89 in

**Width** 138 mm | 5.433 in

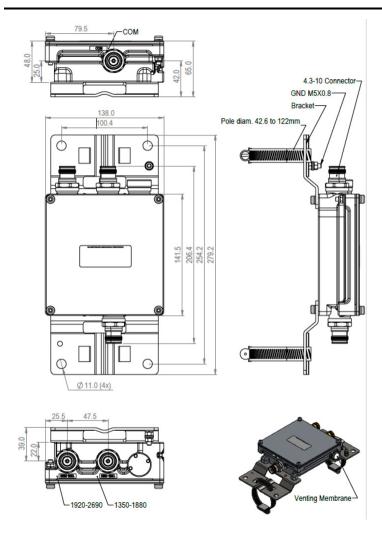
**Depth** 141.5 mm | 5.571 in

**Mounting Pipe Diameter Range** 42.6–122 mm

### Outline Drawing



## E14F06P32



### **Electrical Specifications**

**Impedance** 50 ohm

## Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through MethodNo dc/AISG pass-throughdc/AISG Pass-through, combinerdc/AISG blocking on all portsdc/AISG Pass-through, demultiplexerdc/AISG blocking on all ports

**Lightning Surge Current** 5 kA

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

### **Electrical Specifications**

Sub-module 1 | 2 1 | 2

**COMMSCOPE®** 

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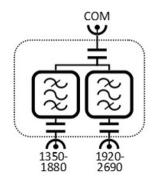
**Branch** 1 2

**Port Designation** PORT 1 1350-1880 PORT 2 1920-2690

### Electrical Specifications, Band Pass

Frequency Range, MHz	1350-1880	1920-2690
Insertion Loss, typical, dB	0.25	0.2
Return Loss, typical, dB	22	22
Isolation, typical, dB	38	38
Input Power, RMS, maximum, W	100	100
Input Power, PEP, maximum, W	1000	1000
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**  $-40 \, ^{\circ}\text{C} \text{ to } +65 \, ^{\circ}\text{C} \, (-40 \, ^{\circ}\text{F to } +149 \, ^{\circ}\text{F})$ 

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 0.95 L

Weight, net  $2 \text{ kg} \mid 4.409 \text{ lb}$  Weight, without mounting hardware  $1.5 \text{ kg} \mid 3.307 \text{ lb}$ 

