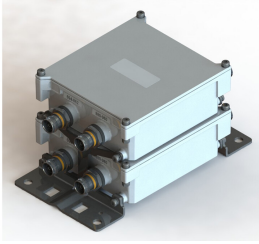


E14F06P85



Twin Diplexer, 700-800/900 MHz, (DC Smart Bypass), 4.3-10 connectors

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

This product will be discontinued on: December 30, 2024

Replaced By:

E14F06P45

Twin Diplexer, 694-862 MHz/880-960 MHz, DC SMART bypass all, with 4.3-10 connectors

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 Medium neck

Dimensions

Height 155.5 mm | 6.122 in

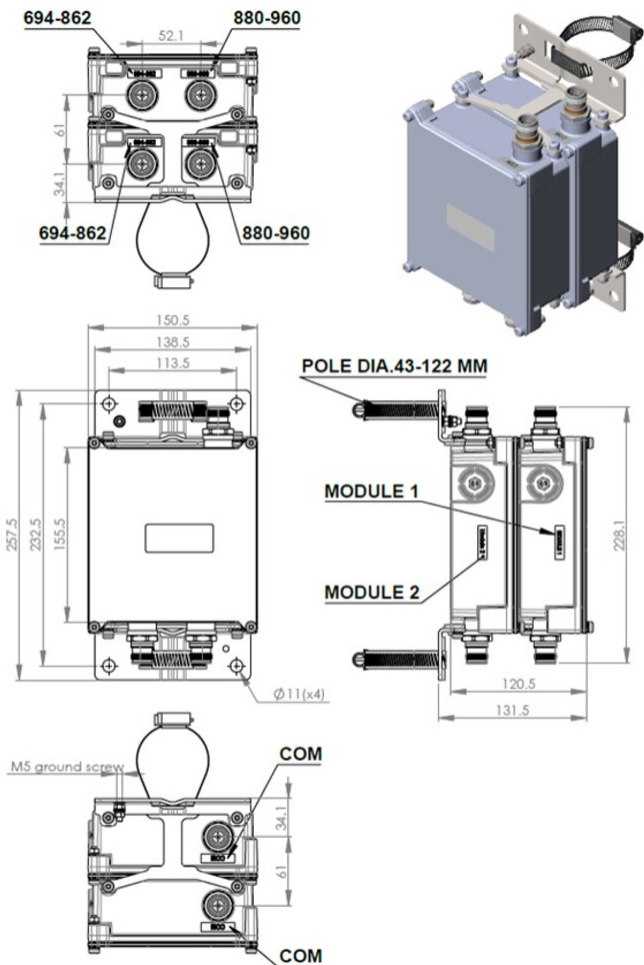
Width 120.5 mm | 4.744 in

Depth 150.5 mm | 5.925 in

Mounting Pipe Diameter Range 43-122 mm

Dimension Drawing

E14F06P85



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	APT 700 CEL 900 EDD 800 LMR 750 USA 700 USA 750

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	Auto sensing
dc/AISG Pass-through Path	Auto sensing circuitry detects dc/AISG signal presence and selects path
dc/AISG Pass-through, combiner	Autosensing
dc/AISG Pass-through, demultiplexer	Autosensing
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

E14F06P85

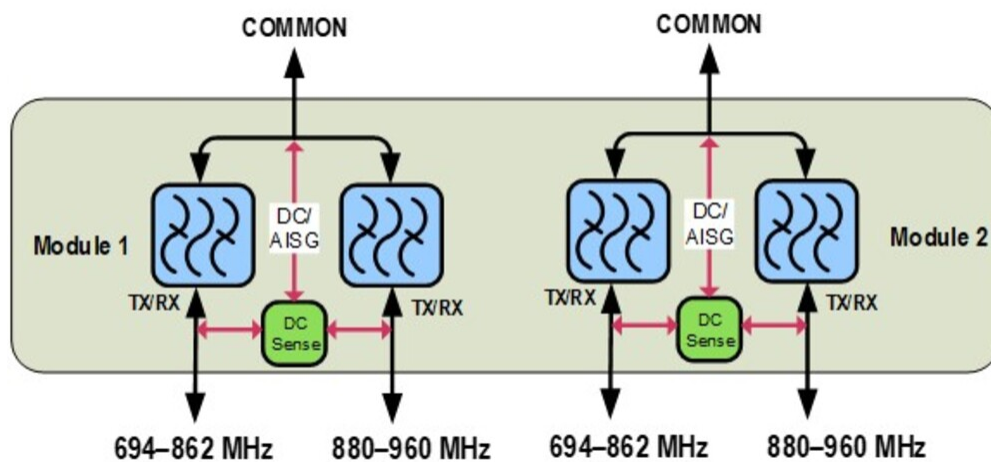
Electrical Specifications

Sub-module	1 2	1 2
Branch	1	2
Port Designation	694-862	880-960
License Band	APT 700, Band Pass EDD 800, Band Pass LMR 750, Band Pass USA 700, Band Pass USA 750, 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, typical, dB	20	20
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	300	300
Input Power, PEP, maximum, W	3000	3000
3rd Order PIM, typical, dBc	-157	-157
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

E14F06P85

Ingress Protection Test Method IEC 60529:2001, IP67

Packaging and Weights

Included Mounting hardware

Volume 2.8 L

Weight, net 4.35 kg | 9.59 lb

Weight, without mounting hardware 3.85 kg | 8.488 lb

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system