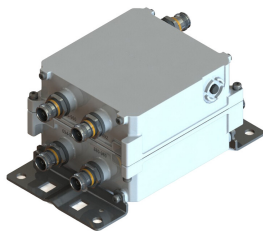


E14F06P20



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

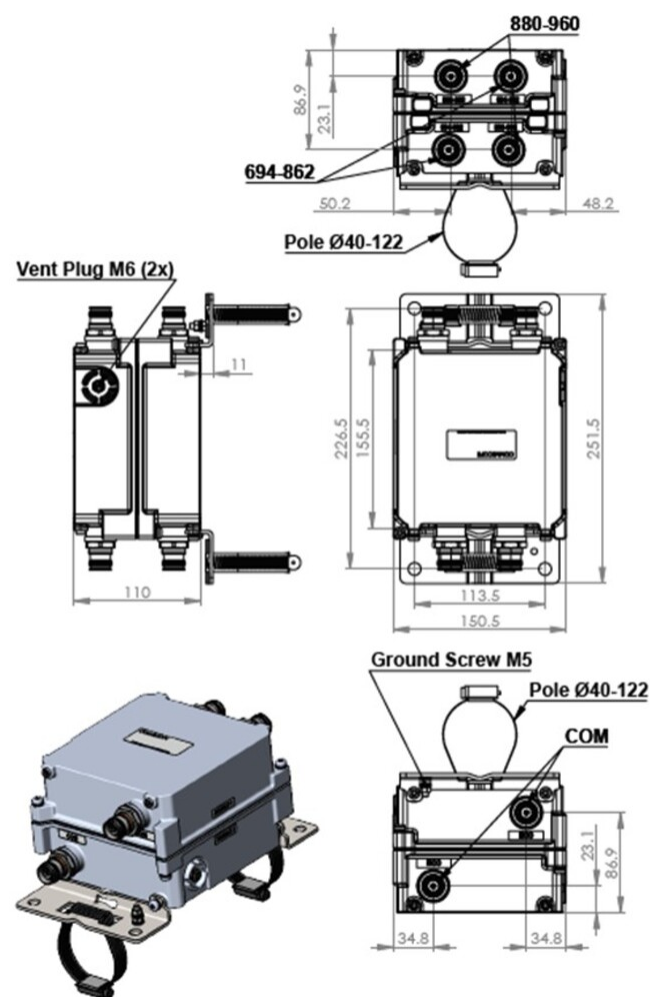
Width 110 mm | 4.331 in

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

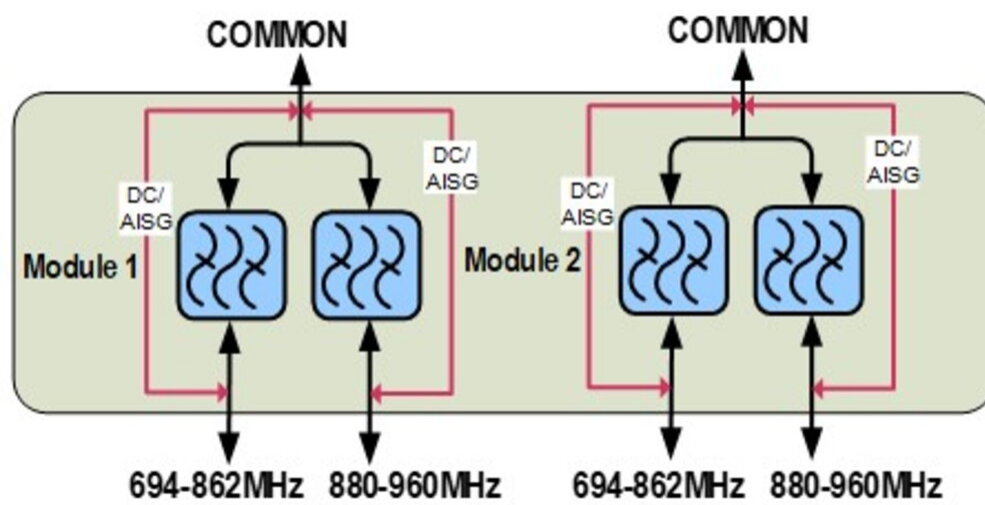
E14F06P20

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

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