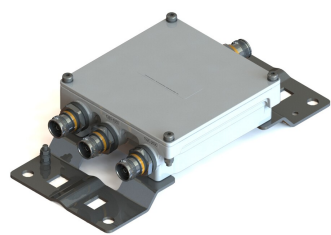


E14F10P81



Ultra Compact Single Triplexer 380-960/1350-1880/1920-2690, DC bypass on all ports, 4.3-10 connectors

- Ultra-wideband low-band combiner
- Ultra-wideband high-band combiner
- New 4.3-10 connectors for improved PIM performance and size reduction
- Single configuration
- dc/AISG pass-through on all frequency ports

Product Classification

Product Type Triplexer

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 66 mm | 2.598 in

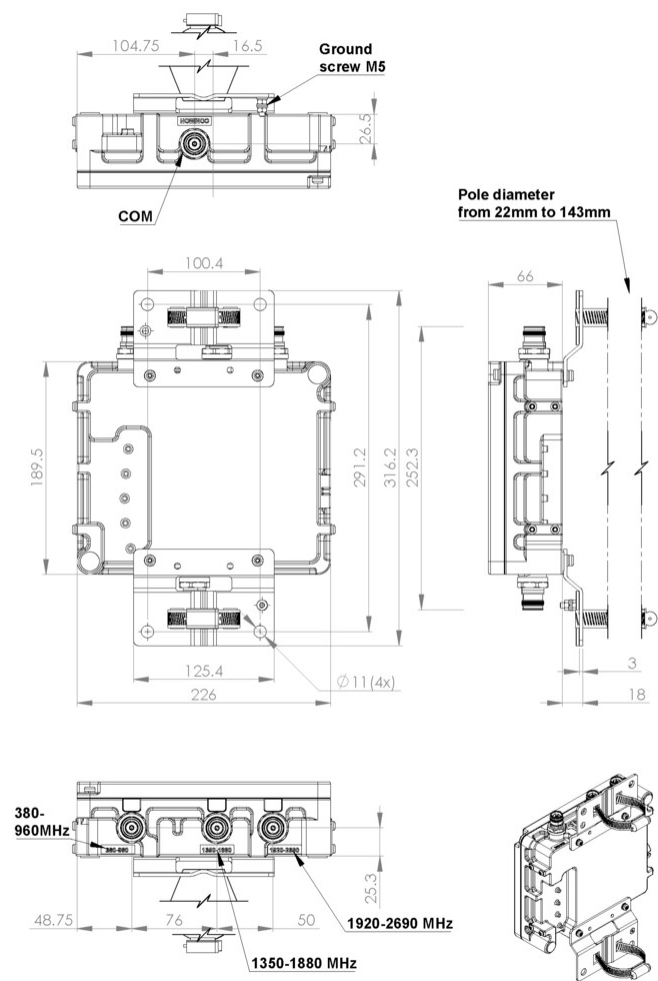
Width 226 mm | 8.898 in

Depth 189.5 mm | 7.461 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing

E14F10P81



Electrical Specifications

Impedance 50 ohm

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Path Branch 1 | Branch 2 | Branch 3

dc/AISG Pass-through, combiner Branch 1 | Branch 2 | Branch 3

dc/AISG Pass-through, demultiplexer Branch 1 | Branch 2 | Branch 3

Lightning Surge Current 10 kA

Lightning Surge Current Waveform 8/20 waveform

Electrical Specifications

Sub-module

1 | 2

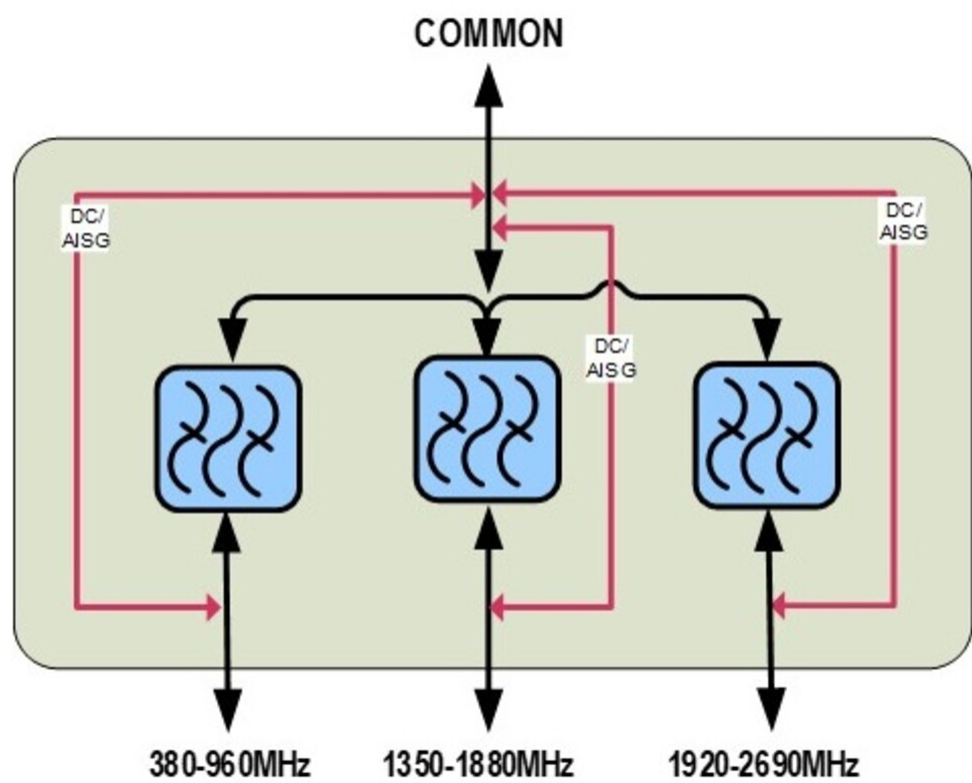
1 | 2

1 | 2

E14F10P81

Branch	1	2	3
Port Designation	698-960	1350-1880	1920-2690
Electrical Specifications, Band Pass			
Frequency Range, MHz	698-960	1350-1880	1920-2690
Insertion Loss, typical, dB	0.25	0.35	0.35
Return Loss, typical, dB	20	20	20
Isolation, typical, dB	52	52	52
Input Power, RMS, maximum, W	200	200	200
Input Power, PEP, maximum, W	2000	2000	2000
3rd Order PIM, typical, dBc	-162	-162	-162
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
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E14F10P81

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	2.83 L
Weight, with mounting hardware	4.3 kg 9.48 lb
Weight, without mounting hardware	3.8 kg 8.378 lb