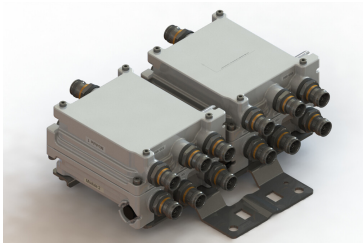
E14F10P80



Ultra Compact Quad Triplexer 698-960/1350-1880/1920-2690, 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
- Quad configuration, 4x4 MIMO ready
- dc/AISG pass-through on low frequency ports

Product Classification

Product Type	Triplexer

General Specifications

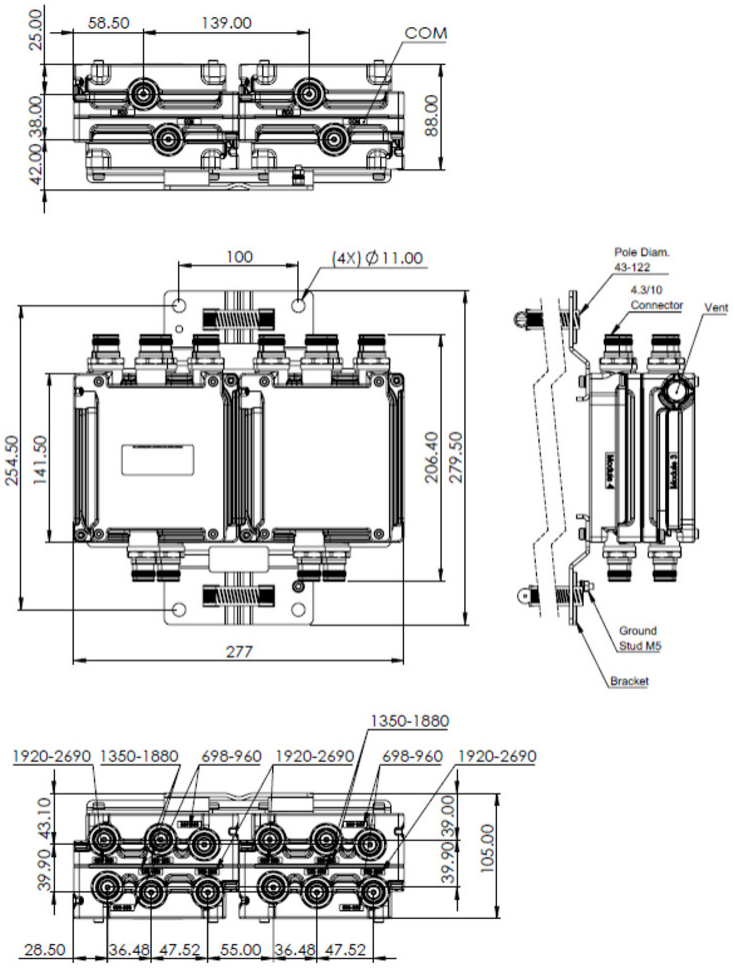
Color	Gray
Modularity	4-Quad
Mounting	Pole | Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	4.3-10 Female

Dimensions

Height	88 mm | 3.465 in
Width	277 mm | 10.906 in
Depth	141.5 mm | 5.571 in
Mounting Pipe Diameter Range	42.6–122 mm

Outline Drawing

E14F10P80



Electrical Specifications

Impedance	50 ohm

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Path	Branch 1
dc/AISG Pass-through, combiner	Branch 1
dc/AISG Pass-through, demultiplexer	Branch 1
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**	**1 | 2**

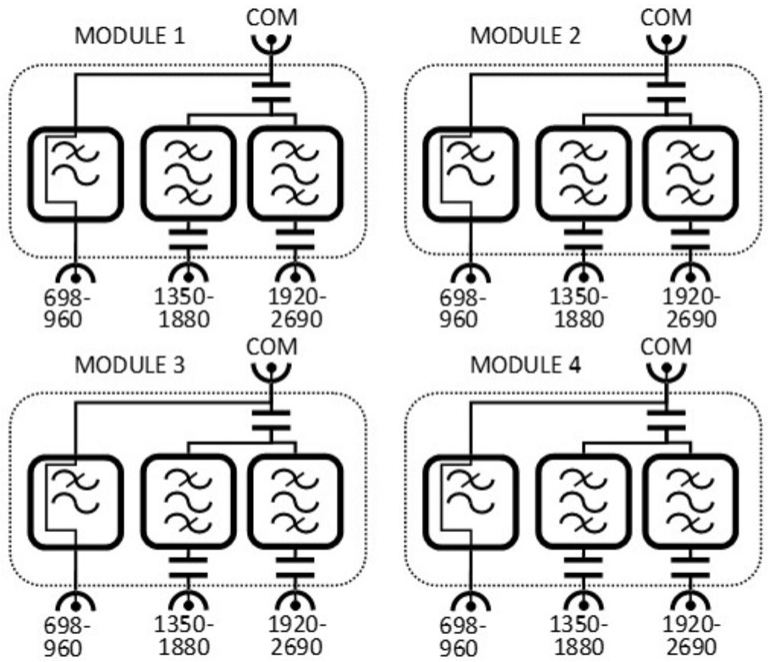
E14F10P80

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	0.1	0.25	0.2
Return Loss, typical, dB	22	22	22
Isolation, typical, dB	52	38	38
Input Power, RMS, maximum, W	100	100	100
Input Power, PEP, maximum, W	1000	1000	1000
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)
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

E14F10P80

Packaging and Weights

Included	Mounting hardware
Volume	3.45 L
Weight, net	5.8 kg | 12.787 lb
Weight, without mounting hardware	5 kg | 11.023 lb