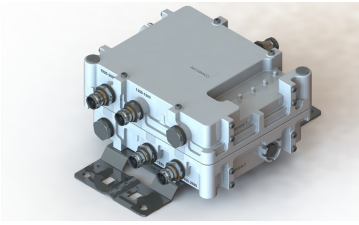# E14F06P40

Twin Diplexer, 1325-1880/1920-2690, dc/AISG high band ports bypass, with 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Designed for network Modernization, introduction of LTE1800 on existing site
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- Twin configuration
- dc/AISG pass-through on high 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

Dimensions

Height	103.2 mm | 4.063 in
Width	226 mm | 8.898 in
Depth	189.5 mm | 7.461 in
Mounting Pipe Diameter Range	42.6–122 mm

Outline Drawing

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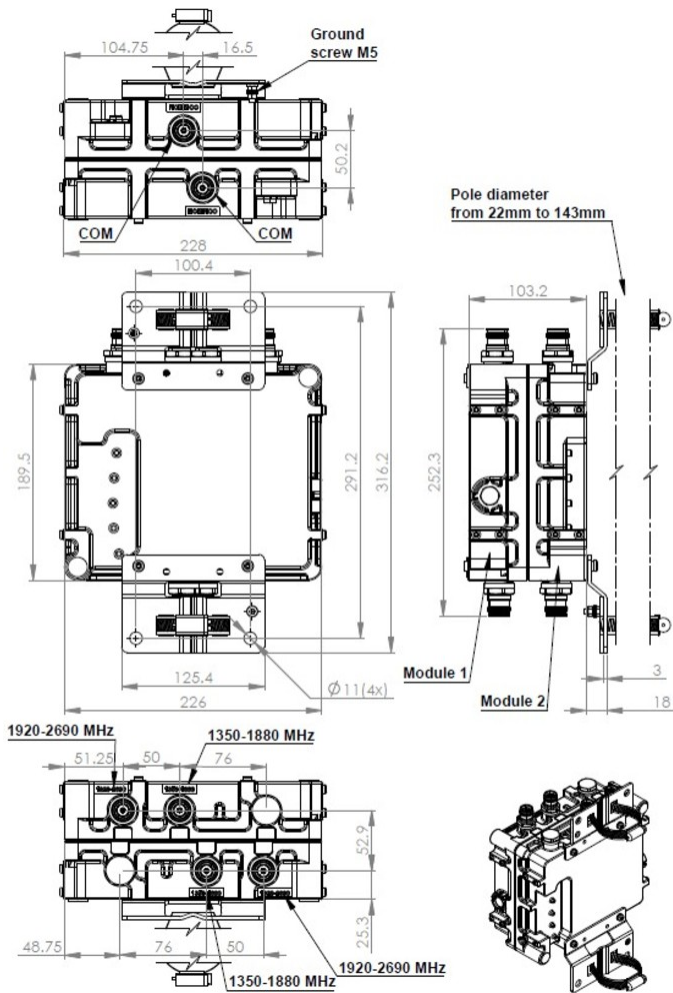
Electrical Specifications

Impedance	50 ohm

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	Factory set
dc/AISG Pass-through, combiner	Branch 2
dc/AISG Pass-through, demultiplexer	Branch 2
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

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

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

Electrical Specifications, Band Pass

Frequency Range, MHz	1325−1880	1920−2690
Insertion Loss, typical, dB	0.35	0.35
Return Loss, typical, dB	20	20
Isolation, typical, dB	52	52
Input Power, RMS, maximum, W	200	200
Input Power, PEP, maximum, W	2000	2000
3rd Order PIM, typical, dBc	-162	-162
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram
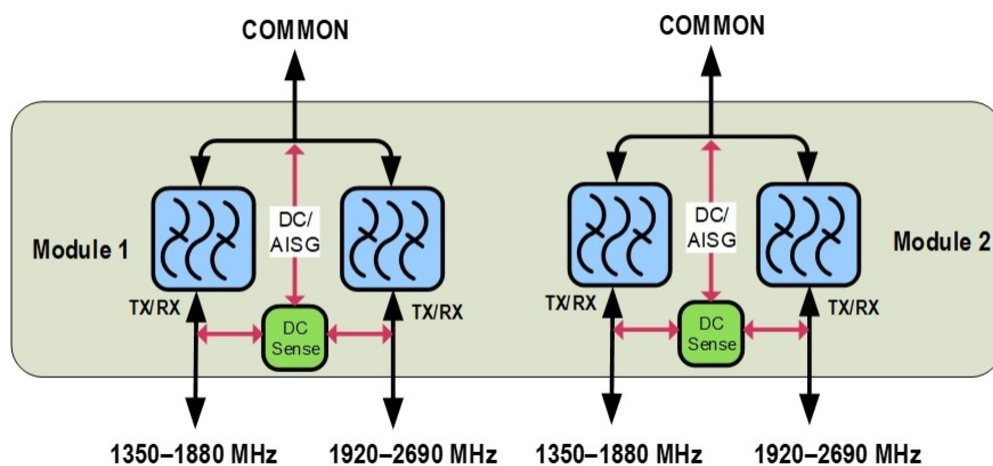
Environmental Specifications

Operating Temperature	-40 °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

Included	Mounting hardware
Volume	4.45 L

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Weight, net	6 kg | 13.228 lb
Weight, with mounting hardware	6.5 kg | 14.33 lb

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