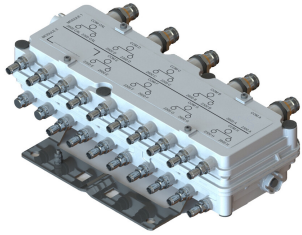# E14F06P04

Ultra Compact Octa Diplexer 2300-2400/2570-2595 MHz, No dc bypass

- Nex10 connectors on BTS side and 4.3-10 connectors on ANT side
- Industry leading PIM performance
- Ideal for small cell applications
- Compact form factor with reduced size and weight
- Suitable for space limited applications like Metro Cell, Lamp Pole and Concealment Solution
- Clam shell configuration

Product Classification

Product Type	Diplexer

General Specifications

Color	Gray
Modularity	8-Octa
Mounting	Pole | Wall
Mounting Pipe Hardware	Band clamps (2)

Dimensions

Height	83 mm | 3.268 in
Width	358.5 mm | 14.114 in
Depth	131 mm | 5.157 in
Mounting Pipe Diameter Range	42.6–122 mm

Outline Drawing

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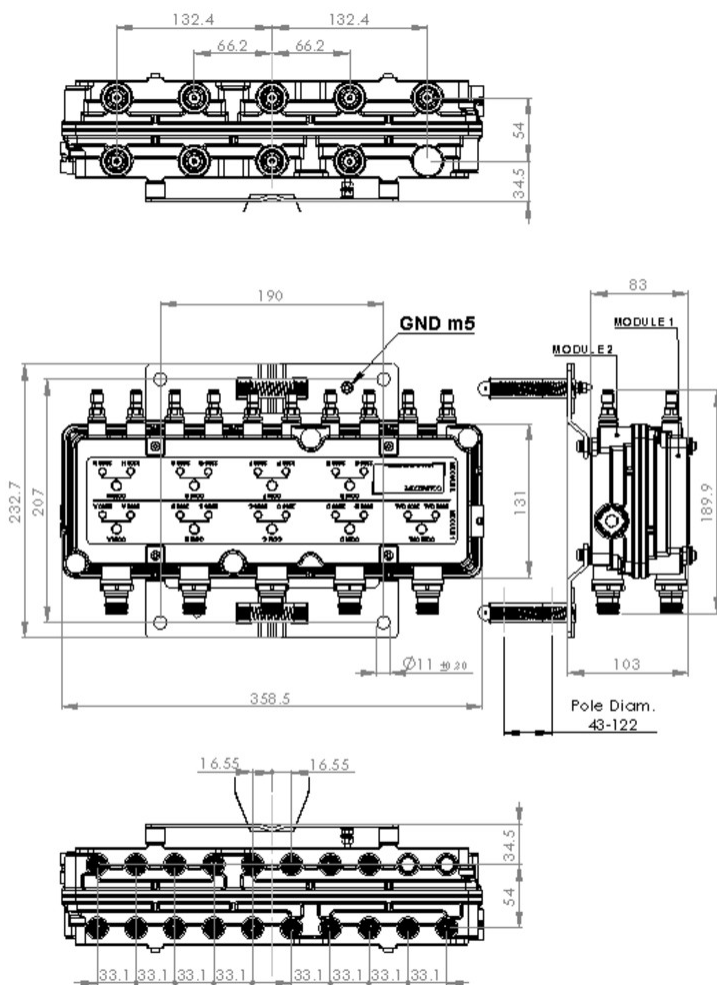
Electrical Specifications

Impedance	50 ohm

Electrical Specifications, dc Power/Alarm

| dc/AISG Pass-through Method	No dc/AISG pass-through
dc/AISG Pass-through, combiner	dc/AISG blocking on all ports
dc/AISG Pass-through, demultiplexer	dc/AISG blocking on all ports
Lightning Surge Current	5 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 2300-2400	Port 2570-2595

Electrical Specifications, Band Pass

Frequency Range, MHz	**2300−2400**	**2570−2595**
Insertion Loss, typical, dB	0.2	0.3
Return Loss, typical, dB	20	19
Isolation, typical, dB	35	35
Input Power, RMS, maximum, W	100	100
Input Power, PEP, maximum, W	500	500
3rd Order PIM, typical, dBc	-155	-155
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

Block Diagram
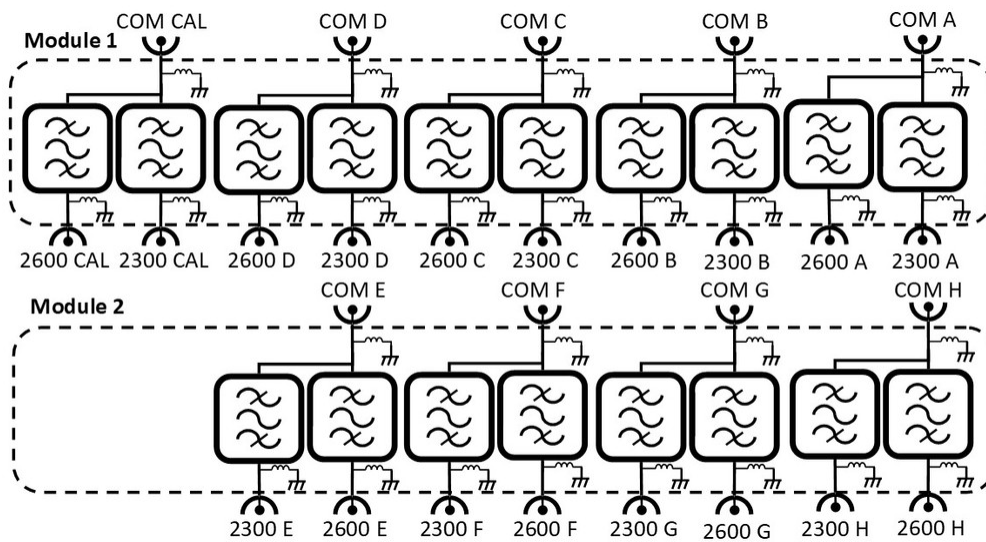
Environmental Specifications

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	3.9 L
Weight, net	6.3 kg | 13.889 lb
Weight, without mounting hardware	5.8 kg | 12.787 lb

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