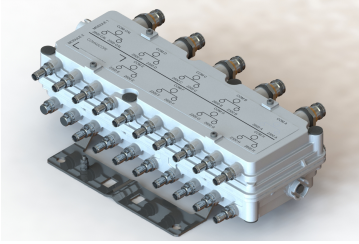


E14F06P04



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

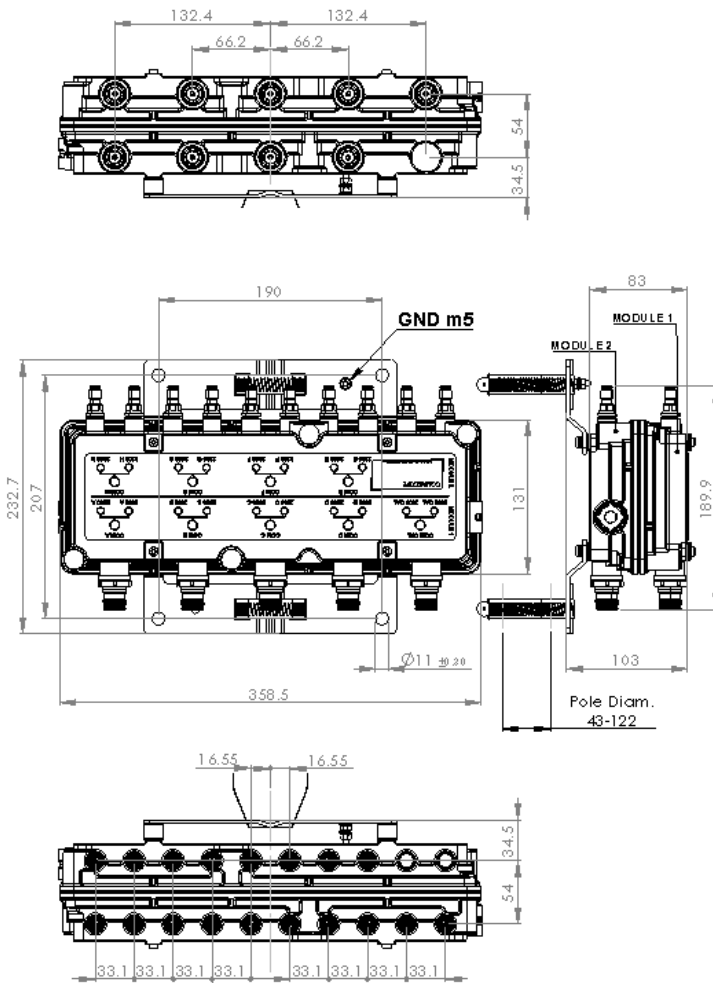
Width 358.5 mm | 14.114 in

Depth 131 mm | 5.157 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing

E14F06P04



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

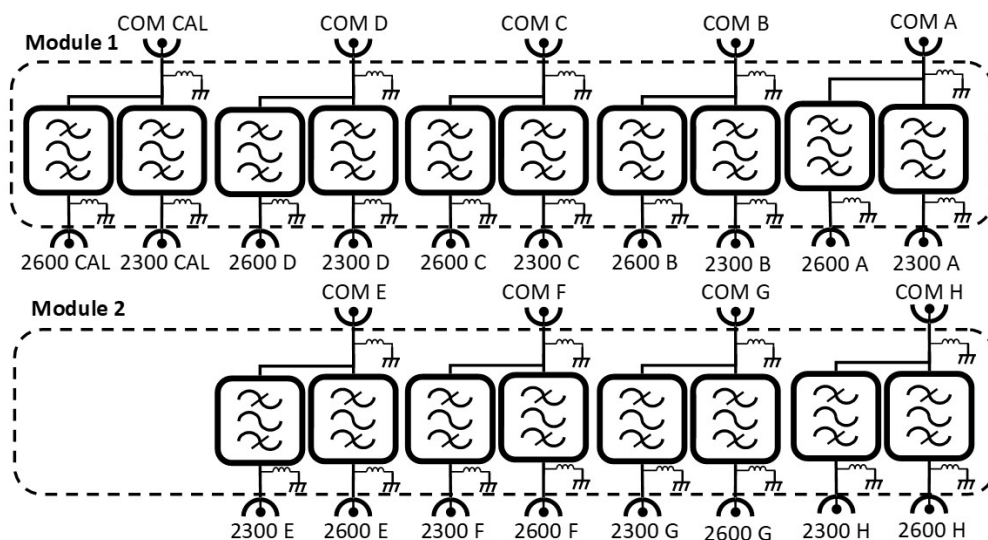
1 | 2

1 | 2

E14F06P04

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
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E14F06P04

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