# E14F06P46



#### Ultra Compact Quad Diplexer, 3400–3600/3700–4100 MHz, DC/AISG Bypass on low frequency port, with 4.3-10 connectors

- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG blocking on all ports
- New Combining Solution to introduce 5G, 3.5GHz band
- Compact form factor with reduced size and weight

#### 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	92 mm   3.622 in
Width	220 mm   8.661 in
Depth	121 mm   4.764 in
Mounting Pipe Diameter Range	42.6-122 mm

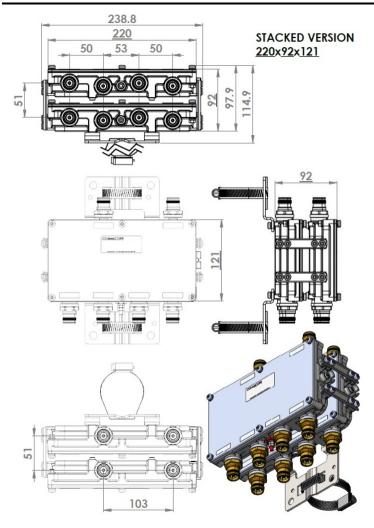
## Outline Drawing

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### **Electrical Specifications**

Impedance

50 ohm

#### Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Path	Branch 1
dc/AISG Pass-through, combiner	Branch 1
dc/AISG Pass-through, demultiplexer	Branch 1

# **Electrical Specifications**

Sub-module	1   2	1   2
Branch	1	2
Port Designation	PORT 1 3400-3600	PORT 2 3700-4100

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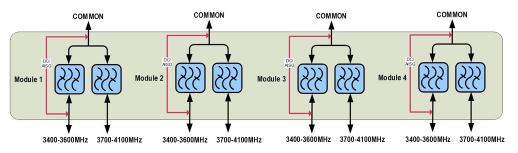
ANDREW®

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### Electrical Specifications, Band Pass

Frequency Range, MHz	3400-3600	3700-4100
Insertion Loss, typical, dB	0.4	0.4
Return Loss, typical, dB	20	20
Isolation, typical, dB	35	35
Input Power, RMS, maximum, W	100	100
Input Power, PEP, maximum, W	1000	1000
3rd Order PIM, maximum, dBc	-150	-150
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	2.45 L
Weight, net	4.8 kg   10.582 lb
Weight, without mounting hardware	4.5 kg   9.921 lb

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