

E14F20P09



Twin Pentaplexer 617-960/1350-2200/2300-2400/2496-2700/3300-4200, dc bypass on low ports, with 4.3-10 connectors

- New Combining Solution to introduce 5G, 3.5GHz band
- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- Suitable for feeders cables reduction
- dc/AISG pass-through on low frequency ports
- Clam shell configuration

Product Classification

Product Type Pentaplexer

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 87 mm | 3.425 in

Width 180 mm | 7.087 in

Depth 157 mm | 6.181 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing



Electrical Specifications, dc Power/Alarm

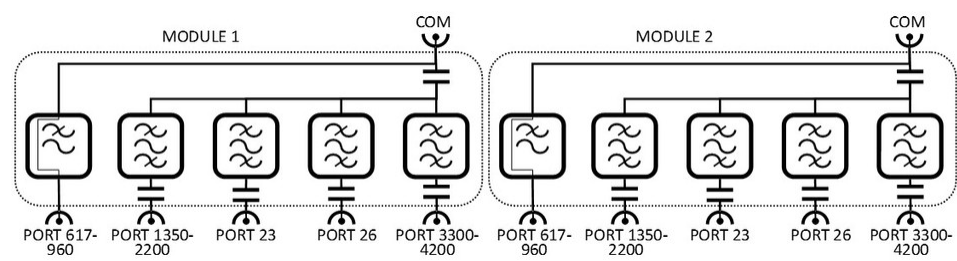
Lightning Surge Current Waveform 8/20 waveform

Sub-module	1 2	1 2	1 2	1 2	1 2
Branch	1	2	3	4	5

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Port Designation	PORT 1 617-960	PORT 2 1350-2200	PORT 3 2300-2400	PORT 4 2496-2700	PORT 5 3300-4200
Electrical Specifications, Band Pass					
Frequency Range, MHz	617-960	1350-2200	2300-2400	2496-2700	3300-4200
Insertion Loss, typical, dB	0.15	0.2	0.3	0.3	0.2
Return Loss, typical, dB	20	20	20	20	20
Isolation, typical, dB	35	35	35	45	55
Input Power, RMS, maximum, W	125	125	125	125	125
Input Power, PEP, maximum, W	1250	1250	1250	1250	1250
3rd Order PIM, typical, dBc	-163	-163	-163	-163	-163
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Mechanical Specifications

Wind Speed, maximum	240 km/h (149 mph)
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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	2.5 L
Weight, net	4.7 kg 10.362 lb
Weight, without mounting hardware	4.3 kg 9.48 lb

