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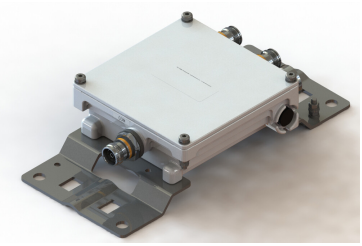

Ultra Compact Single Diplexer 1350-1880/1920-2690, 4.3-10 connectors

- Ideal for small cell applications
- Compact form factor with reduced size and weight
- Suitable for space limited applications like Metro Cell, Lamp Pole, Concealment Solution and Macro Site
- New 4.3-10 connectors for improved PIM performance and size reduction
- Single configuration

OBSOLETE

This product was discontinued on: December 31, 2024

Replaced By:

E12F05P96	Diplexer, DCS 1800/UMTS 2100, AISG compatible, dc pass on all ports with 4.3-10 connectors

Product Classification

Product Type	Diplexer

General Specifications

Color	Gray
Modularity	1-Single
Mounting	Pole | Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	4.3-10 Female

Dimensions

Height	48 mm | 1.89 in
Width	138 mm | 5.433 in
Depth	141.5 mm | 5.571 in
Mounting Pipe Diameter Range	42.6–122 mm

Outline Drawing

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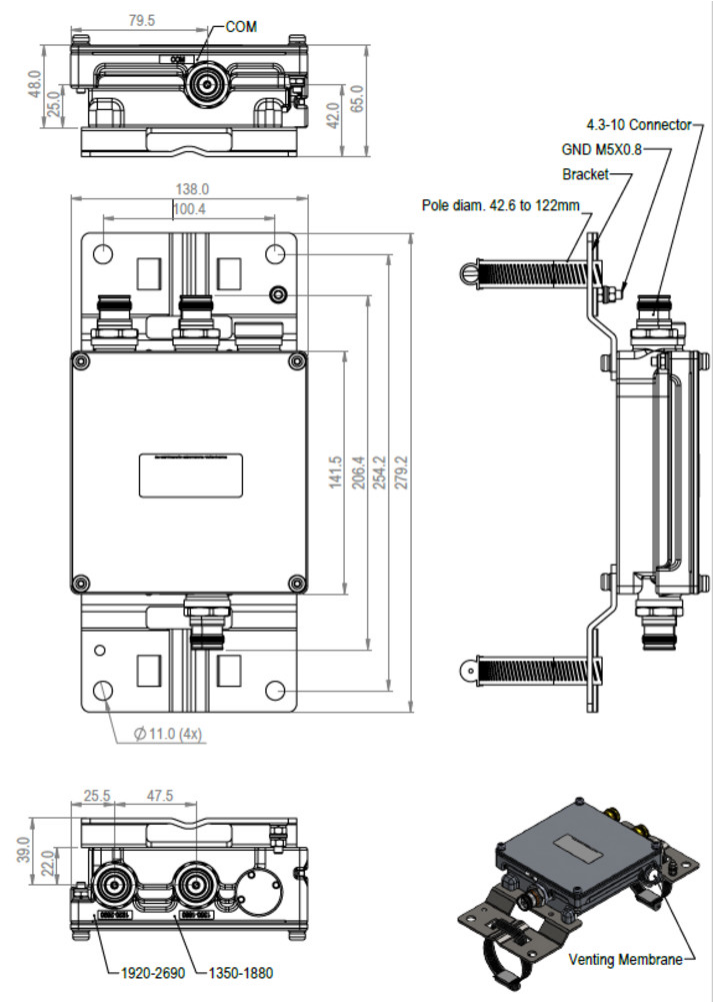

Electrical Specifications

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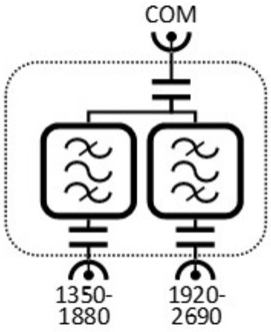
Branch	1	2
Port Designation	PORT 1 1350-1880	PORT 2 1920-2690

Electrical Specifications, Band Pass

Frequency Range, MHz	**1350–1880**	**1920–2690**
Insertion Loss, typical, dB	0.25	0.2
Return Loss, typical, dB	22	22
Isolation, typical, dB	38	38
Input Power, RMS, maximum, W	100	100
Input Power, PEP, maximum, W	1000	1000
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	0.95 L
Weight, net	2 kg | 4.409 lb
Weight, without mounting hardware	1.5 kg | 3.307 lb