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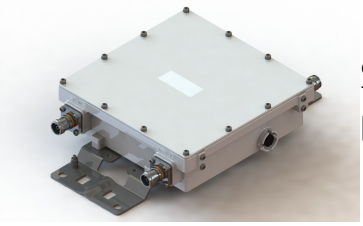

Single Diplexer, 703-960/863-870 MHz, dc by pass on 703-960 band port

- Designed for network Modernization, introduction of LoRa system on existing site
- New 4.3-10 connectors for improved PIM performance and size reduction
- Single configuration
- dc/AISG pass-through on low frequency ports

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	236 mm | 9.291 in
Width	236 mm | 9.291 in
Depth	66 mm | 2.598 in
Mounting Pipe Diameter Range	42.6–122 mm

Outline Drawing

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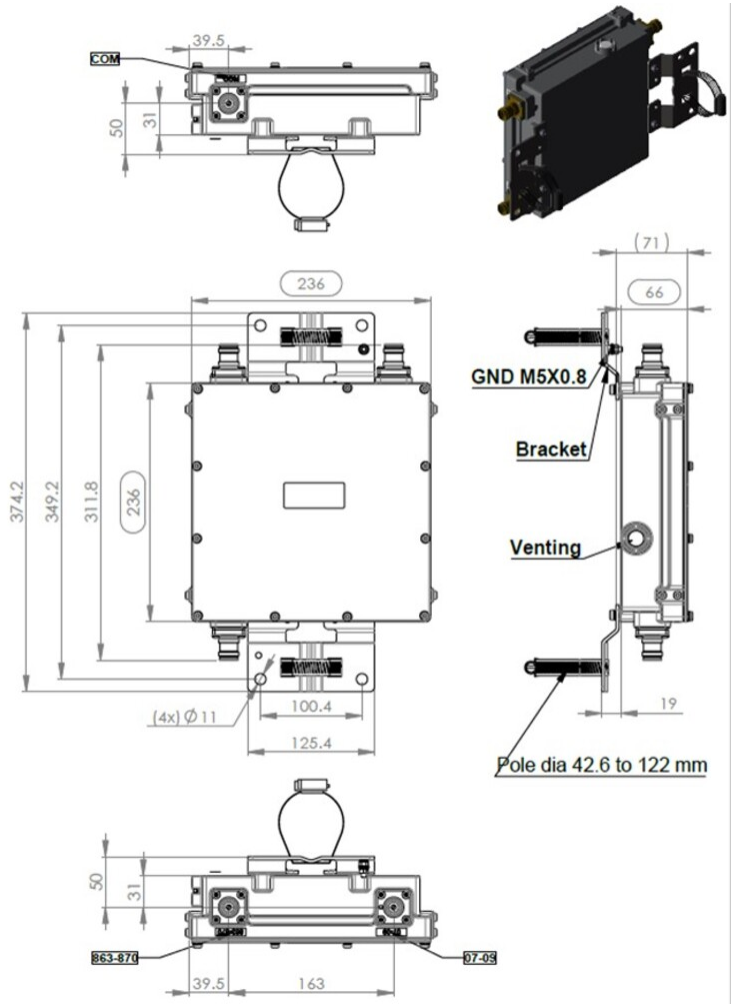

Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	EU868 for LoRa system
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications, dc Power/Alarm

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

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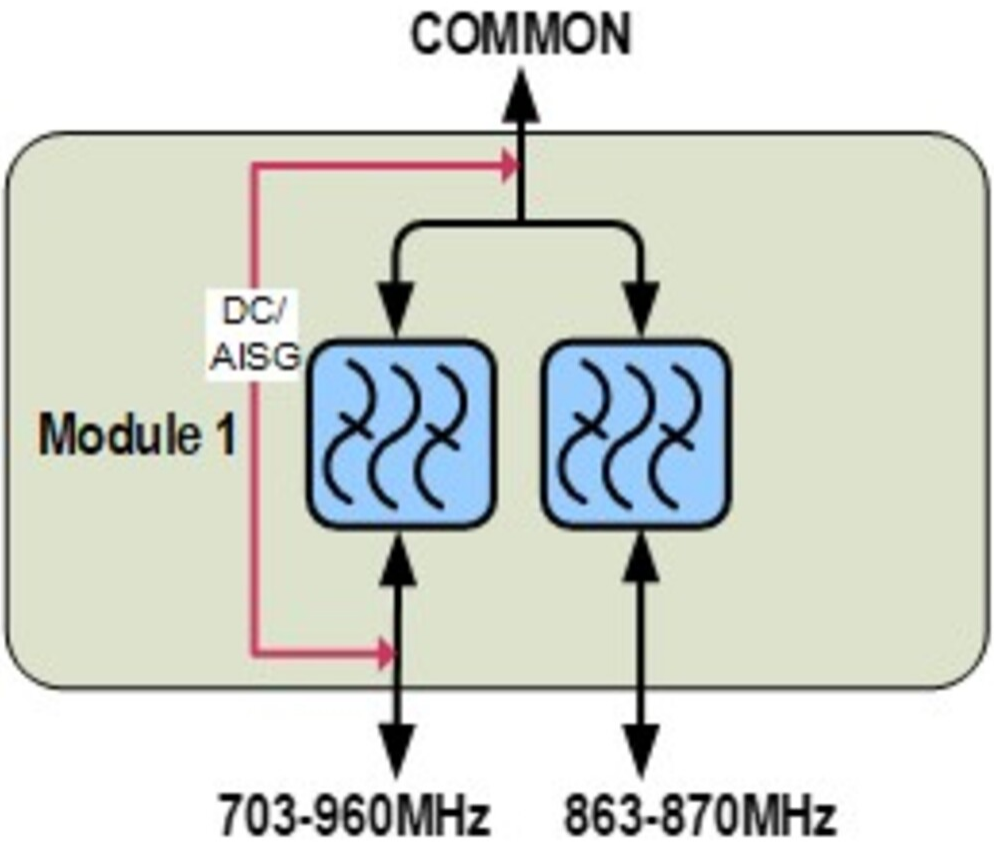
Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**
License Band	APT 700, Band Pass CEL 900, Band Pass	EU868 for LoRa system

Electrical Specifications, Band Pass

Frequency Range, MHz	**703–960**	**863–870**
Insertion Loss, typical, dB	0.1	0.4
Return Loss, typical, dB	20	20
Isolation, minimum, dB	65	65
Input Power, RMS, maximum, W	250	1
Input Power, PEP, maximum, W	2500	10
3rd Order PIM, typical, dBc	-162	-162
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

Block Diagram



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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	3.7 L
Weight, net	4.6 kg | 10.141 lb
Weight, without mounting hardware	4 kg | 8.818 lb