E11F02P69

Twin Diplexer, 700-800/900 MHz, dc pass on high ports

- Industry leading PIM performance
- Designed for network modernization application, introduction of LTE700 and LTE800 on existing site
- Twin configuration
- dc/AISG pass-through on high frequency ports

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OBSOLETE

This product was discontinued on: July 1, 2022

Replaced By:

E14F06P20   Twin Diplexer, 700-800/900 DC Bypass All ports, 4.3-10 connectors

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Product Classification

Product Type	Diplexer

General Specifications

Product Family	CBC79X
Color	Gray
Common Port Label	Port 3
Modularity	2-Twin
Mounting	Pole | Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	7-16 DIN Female
RF Connector Interface Body Style	Long neck

Dimensions

Height	210 mm | 8.268 in
Width	156 mm | 6.142 in
Depth	130 mm | 5.118 in
Mounting Pipe Diameter Range	40–140 mm

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Outline Drawing
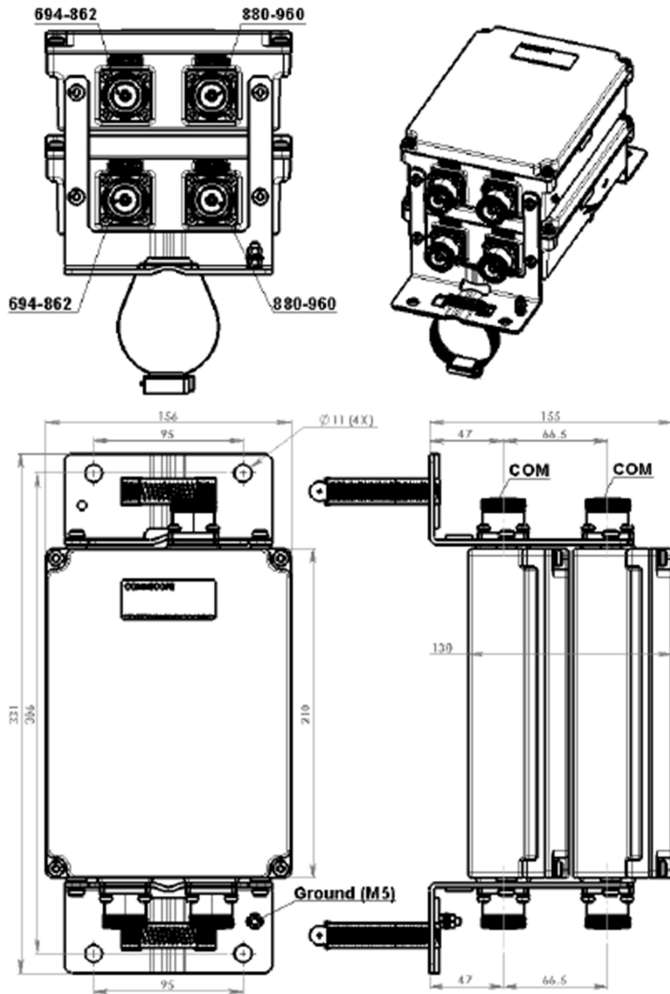
Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	APT 700	CEL 900	EDD 800

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner	Branch 2
dc/AISG Pass-through, demultiplexer	Branch 2
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

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Electrical Specifications

Sub-module	1 | 2	1 | 2
Branch	1	2
Port Designation	694-862	880-960
License Band	EDD 800, Band Pass APT 700, Band Pass	CEL 900, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	694−862	880−960
Insertion Loss, typical, dB	0.2	0.2
Return Loss, typical, dB	22	20
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	300	300
Input Power, PEP, maximum, W	3000	3000
3rd Order PIM, typical, dBc	-160	-160
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram
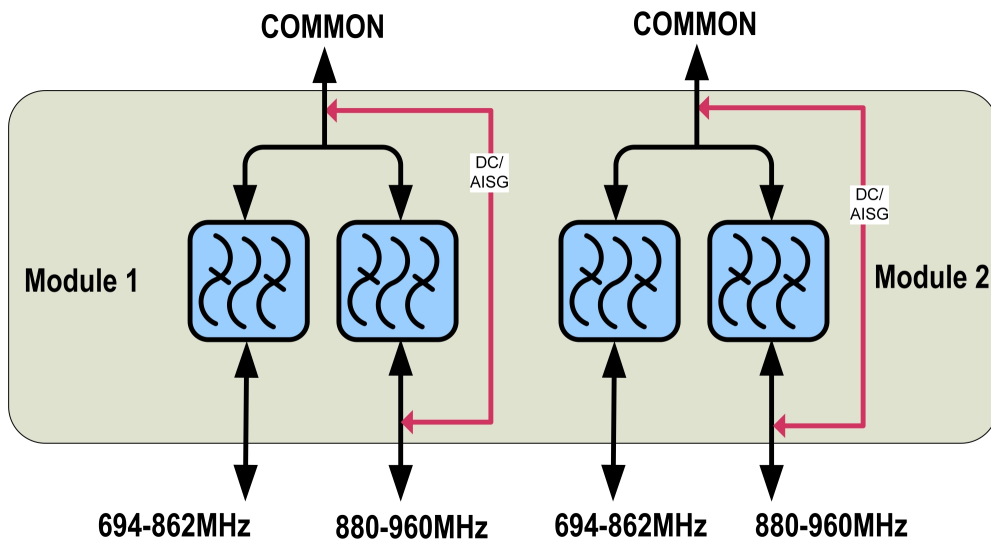
Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Corrosion Test Method	IEC 60068-2-11, 30 days

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Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Weight, net	5.2 kg | 11.464 lb

Regulatory Compliance/Certifications

Agency	**Classification**
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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