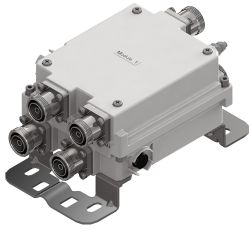


E11F13P24



Twin Diplexer, 1800/2100-2300, AISG compatible, dc pass all ports

- Industry leading PIM performance
- Designed for network Modernization, introduction of LTE1800 on existing site
- Designed for network Modernization, introduction of UMTS2100 on existing site
- Designed for network Modernization, introduction of LTE2300 on existing site
- Twin configuration

OBSOLETE

This product was discontinued on: July 1, 2022

Product Classification

Product Type Diplexer

General Specifications

Product Family CBC1821

Color Gray

Common Port Label PORT 3 COMMON

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 135 mm | 5.315 in

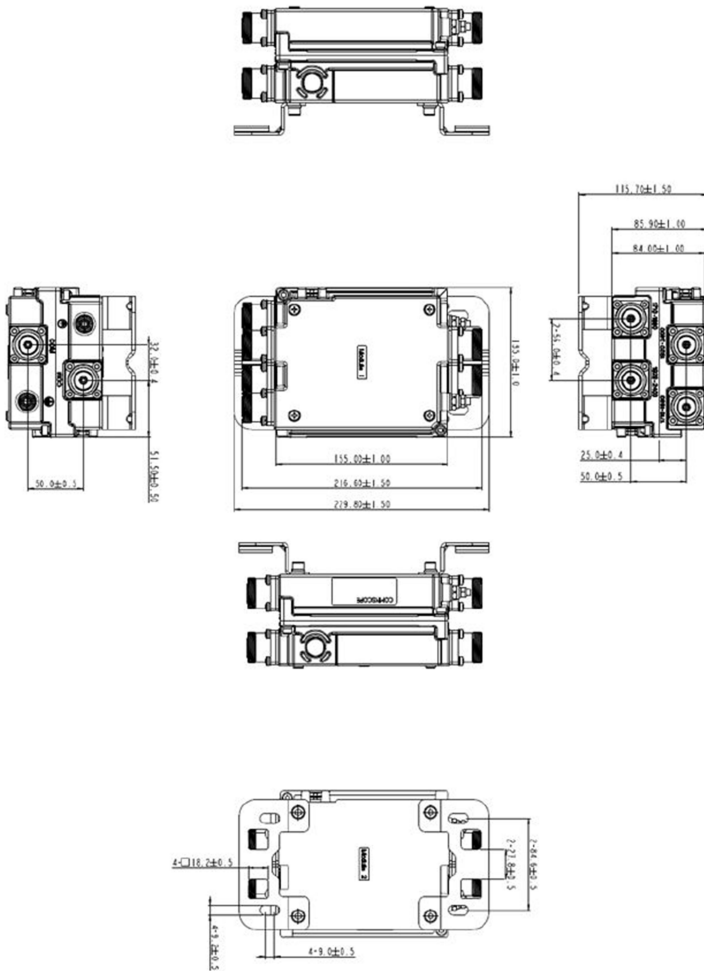
Width 155 mm | 6.102 in

Depth 82 mm | 3.228 in

Mounting Pipe Diameter Range 42.6–122 mm

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Outline Drawing



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	DCS 1800 IMT 2100 TDD 2300

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner	Branch 1 Branch 2
dc/AISG Pass-through, demultiplexer	Branch 1 Branch 2
Lightning Surge Current	3 kA
Lightning Surge Current Waveform	10/350 waveform

Electrical Specifications, AISG

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AISG Pass-through Current, maximum 3 A

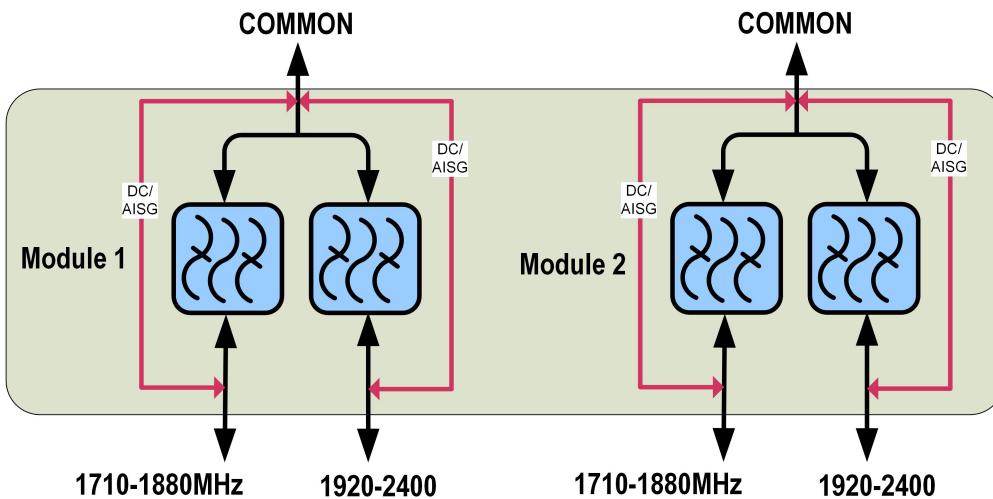
Electrical Specifications

Sub-module	1 2	1 2
Branch	1	2
Port Designation	PORT 2 1710-1880	PORT 1 1920-2400
License Band	DCS 1800, Band Pass	IMT 2100, Band Pass TDD 2300, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	1710–1880	1920–2400
Insertion Loss, typical, dB	0.2	0.2
Return Loss, minimum, dB	18	18
Return Loss, typical, dB	20	20
Isolation, minimum, dB	30	30
Input Power, RMS, maximum, W	250	250
Input Power, PEP, maximum, W	2000	2000
3rd Order PIM, typical, dBc	-157	-157
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Environmental Specifications

E11F13P24

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Volume	1.8 L
Weight, net	3.7 kg 8.157 lb

Regulatory Compliance/Certifications

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

