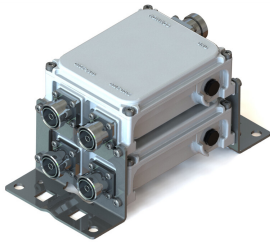


E11F02P4990



Twin Diplexer, 1695-2200/2300-2700 MHz, dc bypass blocking for all ports

- Industry leading PIM performance
- Twin configuration
- Designed for network Modernization, introduction of LTE1800 on existing site
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- dc/AISG blocking on all ports (DC grounded)

This product will be discontinued on: December 30, 2024

Replaced By:

E14F06P48

Twin Diplexer, 1350-2200 / 2300-2700 MHz, dc bypass all ports, 4.3-10 connectors

Product Classification

Product Type Diplexer

General Specifications

Product Family CBC1726

Color Gray

Common Port Label COMM

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 152 mm | 5.984 in

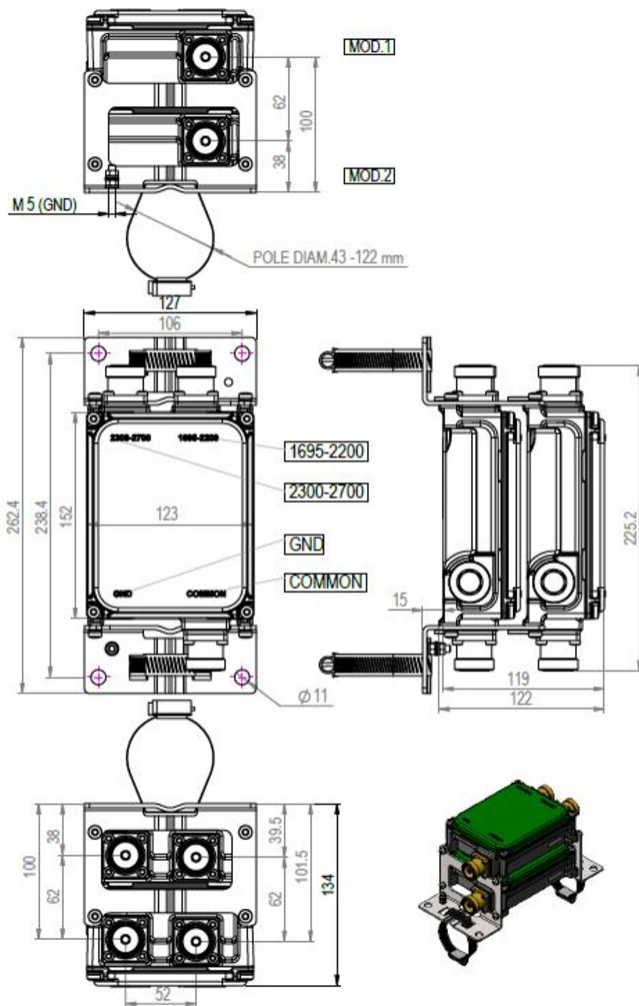
Width 119 mm | 4.685 in

Depth 123 mm | 4.843 in

Mounting Pipe Diameter Range 40–135 mm

Outline Drawing

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Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	AWS 1700 DCS 1800 IMT 2100 IMT 2600 PCS 1900 WCS 2300

Electrical Specifications, dc Power/Alarm

Lightning Surge Current	3 kA
Lightning Surge Current Waveform	10/350 waveform

Electrical Specifications

Sub-module	1 2	1 2
Branch	1	2
Port Designation	1695-2200	2300-2700

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License Band

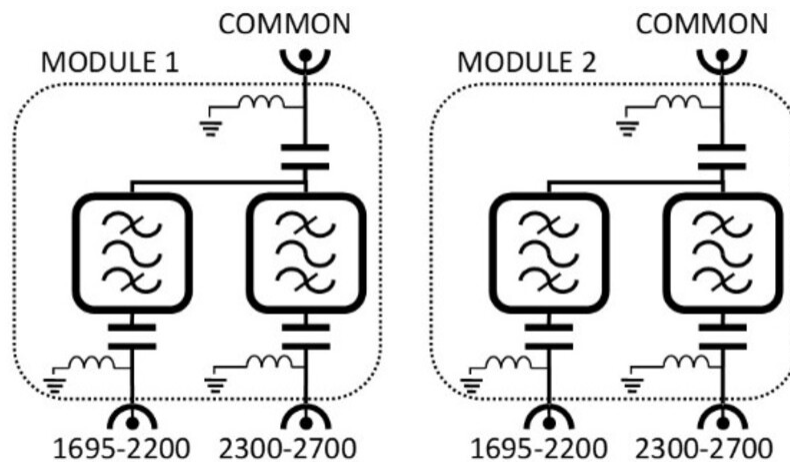
AWS 1700, Band Pass
DCS 1800, Band Pass
IMT 2100, Band Pass
PCS 1900, Band Pass

IMT 2600, Band Pass
WCS 2300, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	1695–2200	2300–2690
Insertion Loss, maximum, dB	0.4	0.4
Insertion Loss, typical, dB	0.3	0.35
Total Group Delay, maximum, ns	30	30
Return Loss, minimum, dB	18	18
Return Loss, typical, dB	20	20
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	300	300
Input Power, PEP, maximum, W	3500	3500
3rd Order PIM, typical, dBc	-157	-157
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)
Relative Humidity	Up to 100%
Corrosion Test Method	IEC 60068-2-11, 30 days
Environmental Test Method	ETSI EN 300 019-1-4

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Ingress Protection Test Method IEC 60529:2001, IP67

Packaging and Weights

Included Mounting hardware

Volume 2.3 L

Weight, net 3.8 kg | 8.378 lb

Weight, without mounting hardware 3.3 kg | 7.275 lb

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system