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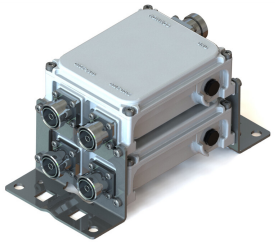

Twin Diplexer, 1695-2200/2300-2700 MHz, dc bypass blocking for all ports

- 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)

OBSOLETE

This product was 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

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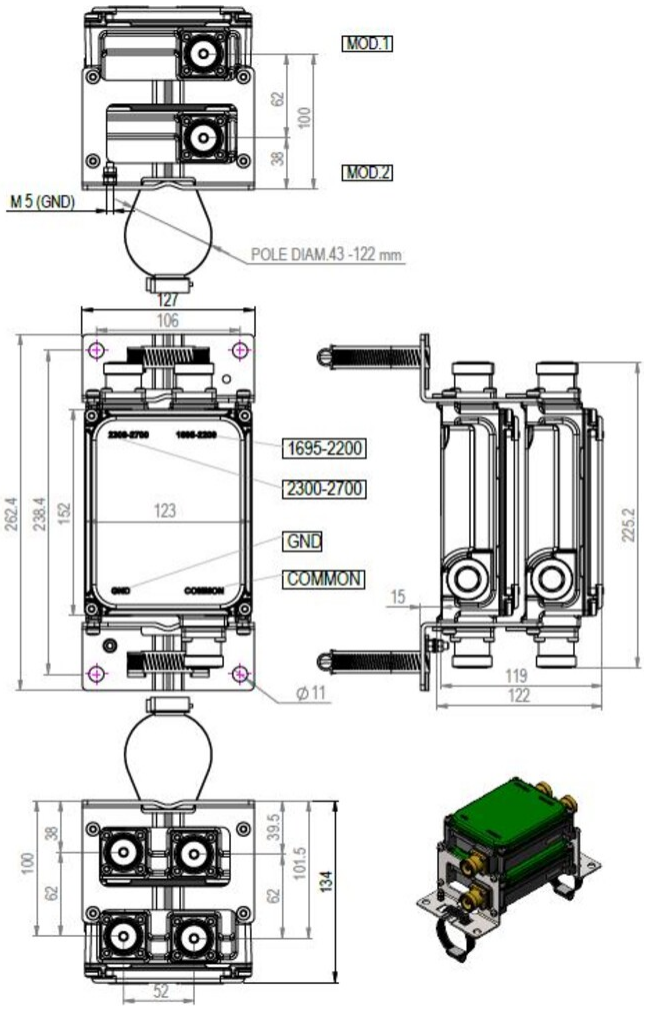
Outline Drawing



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

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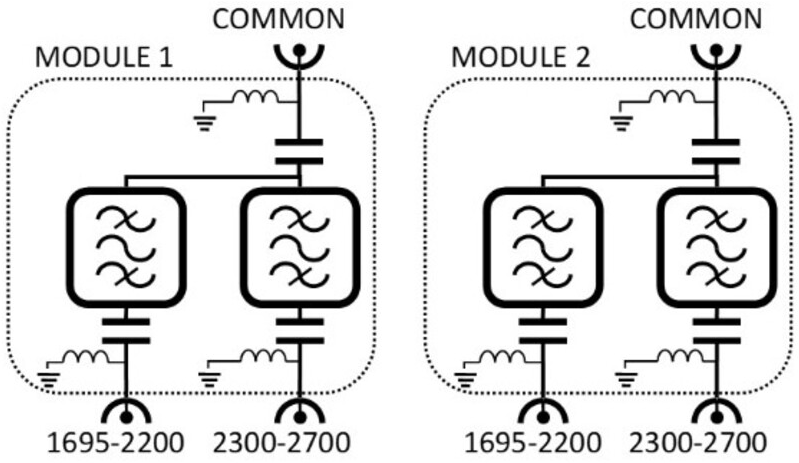
Port Designation	1695-2200	2300-2700
License Band	AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass PCS 1900, Band Pass	IMT 2600, Band Pass WCS 2300, Band Pass

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

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Environmental Test Method	ETSI EN 300 019-1-4
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	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system