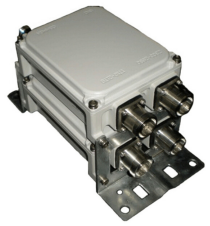
CBC1726-DH-2X | E11F02P50



Twin Diplexer, 1800-2100//2300-2600 MHz, dc bypass on 2300-2600 ports

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

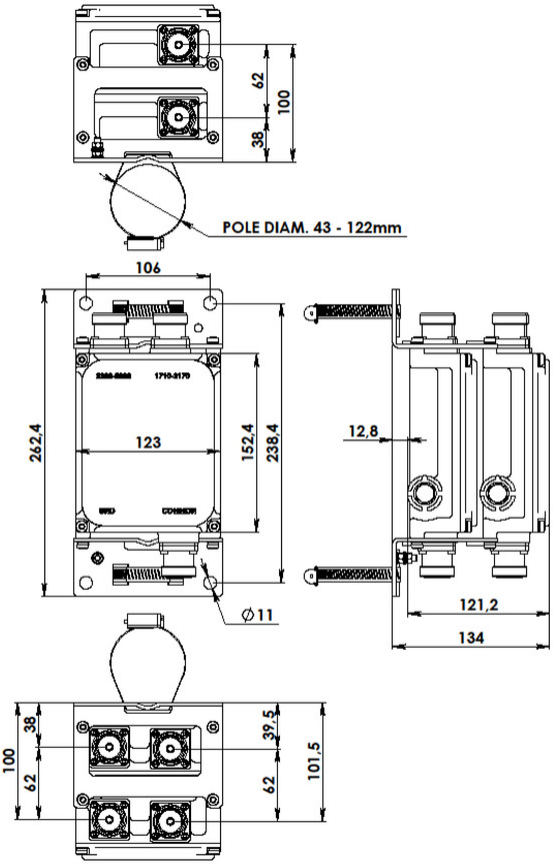
Product Family	CBC1726
Color	Gray
Common Port Label	COMM
Modularity	2-Twin
Mounting	Pole | Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	7-16 DIN Female
RF Connector Interface Body Style	Medium neck

Dimensions

Height	152.4 mm | 6 in
Width	123 mm | 4.843 in
Depth	121 mm | 4.764 in
Ground Screw Diameter	6 mm | 0.236 in
Mounting Pipe Diameter Range	42.6–122 mm

Outline Drawing

CBC1726-DH-2X | E11F02P50



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	AWS 1700 | DCS 1800 | IMT 2100 | IMT 2600 | PCS 1900 | TDD 1900 | TDD 2000 | TDD 2300 | TDD 2600 | WCS 2300

Electrical Specifications, dc Power/Alarm

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

Electrical Specifications

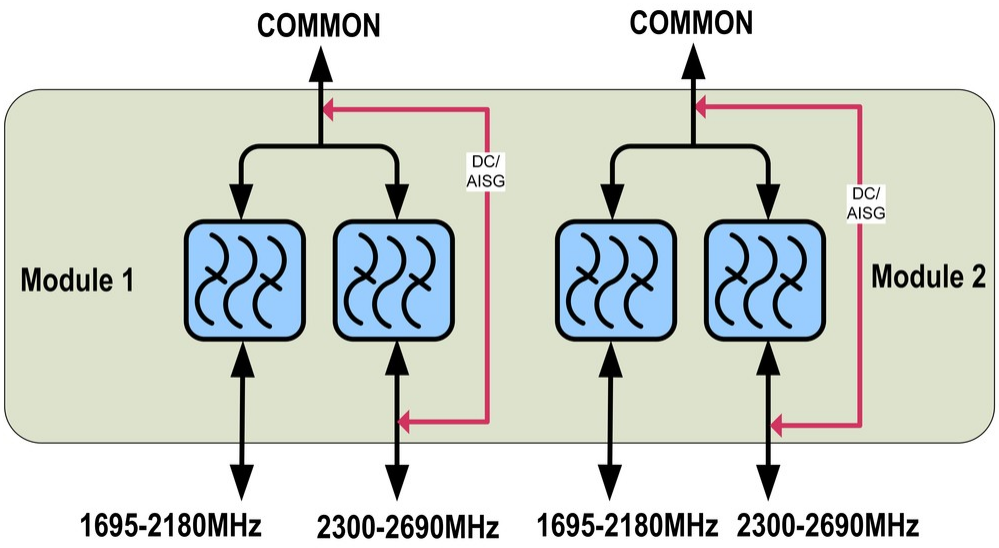
CBC1726-DH-2X | E11F02P50

Sub-module	1 | 2	1 | 2
Branch	1	2
Port Designation	1710-2170	2300-2690
License Band	AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass PCS 1900, Band Pass TDD 1900, Band Pass TDD 2000, Band Pass	IMT 2600, Band Pass WCS 2300, Band Pass TDD 2300, Band Pass TDD 2600, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	1710–2170	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, PEP, maximum, W	3500	3500
3rd Order PIM, typical, dBc	-155	-157
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

Block Diagram



Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Volume	2.3 L
Weight, net	5 kg | 11.023 lb