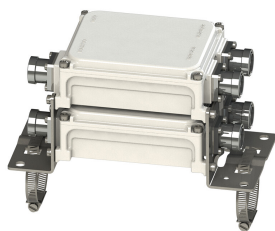# E11F02P50

Twin Diplexer, 1695-2180/2300-2600 MHz, dc bypass on 2300-2600 ports

- Industry leading PIM performance
- Twin configuration

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

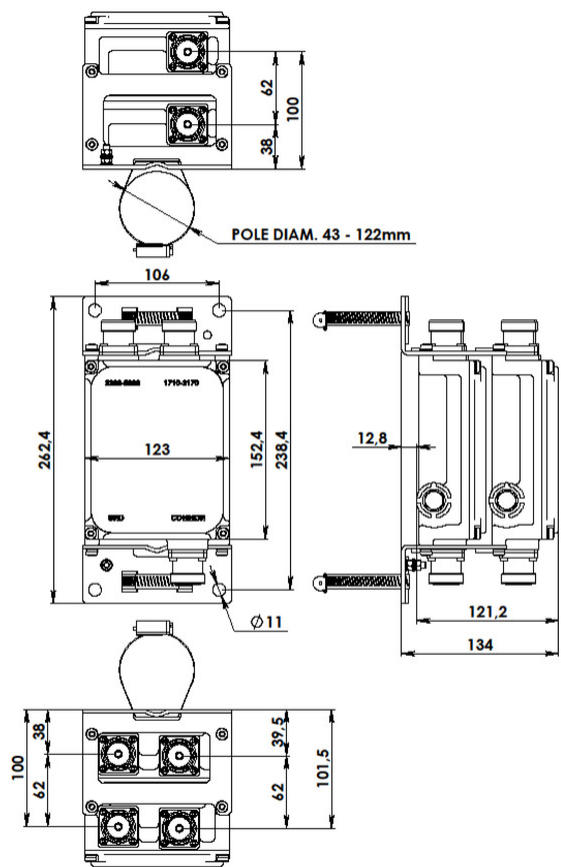|	
Height	152.4 mm | 6 in
Width	123 mm | 4.843 in
Depth	119 mm | 4.685 in
RF Connector Length	35 mm | 1.378 in
Ground Screw Diameter	6 mm | 0.236 in
Mounting Pipe Diameter Range	42.6–122 mm

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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

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

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Electrical Specifications

Sub-module	1 | 2	1 | 2
Branch	1	2
Port Designation	1695-2180	2300-2690
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	1695−2180	2300−2690
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	-160	-160
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram
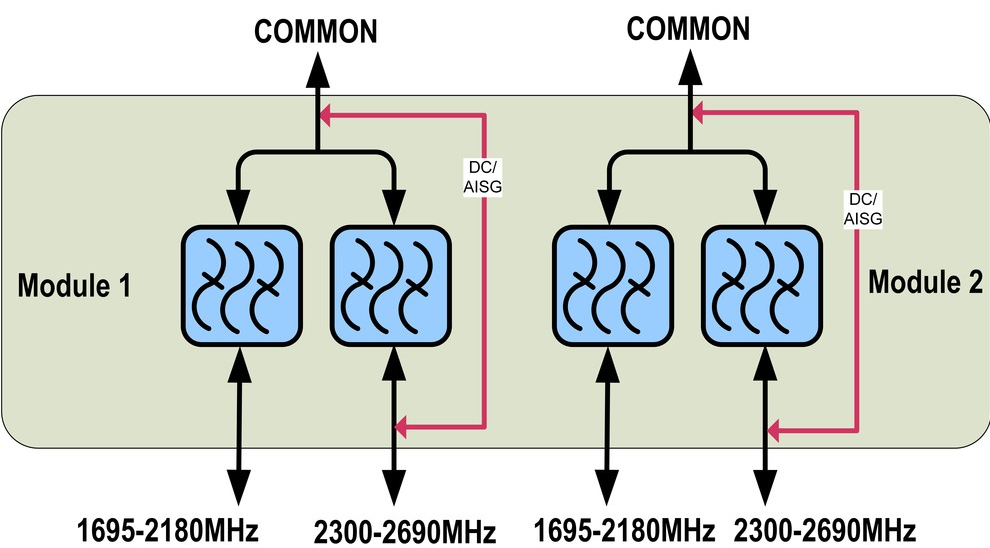
Environmental Specifications

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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	3.8 kg	8.378 lb

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