

Twin Diplexer, DCS 1800/UMTS/WiMAX/LTE

OBSOLETE

This product was discontinued on: July 1, 2022

Replaced By:

E11F02P49 Twin Diplexer, 1695-2180/2300-2690 MHz, dc bypass all ports

Product Classification

Product Type Diplexer

General Specifications

Product Family CBC1726old

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
 300 mm | 11.811 in

 Width
 136 mm | 5.354 in

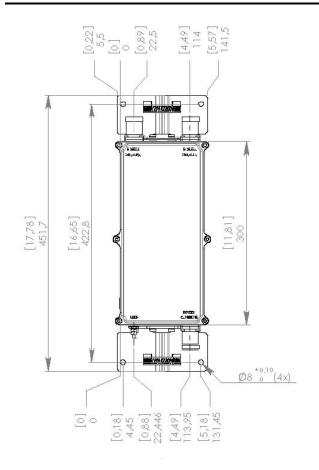
 Depth
 96.2 mm | 3.787 in

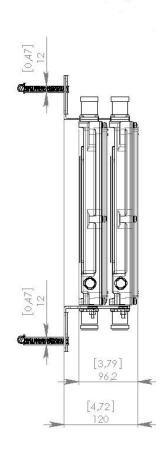
Ground Screw Diameter 6 mm | 0.236 in

Mounting Pipe Diameter Range 40–160 mm

Outline Drawing







Electrical Specifications

Impedance 50 ohm

License Band, Band Pass AWS 1700 | DCS 1800 | IMT 2100 | IMT 2600 | PCS 1900

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combinerBranch 1Branch 2dc/AISG Pass-through, demultiplexerBranch 1Branch 1

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 PORT 2 1710-2180 PORT 1 2400-2700

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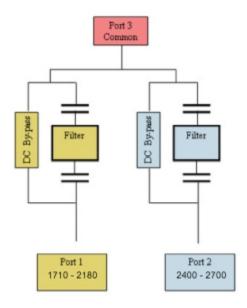
License Band AWS 1700, Band Pass IMT 2600, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass

PCS 1900, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	1710-2180	2400-2700
Insertion Loss, typical, dB	0.25	0.3
Return Loss, minimum, dB	19	19
Isolation, minimum, dB	50	50
3rd Order PIM, typical, dBc	-160	-160
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Environmental Specifications

Operating Temperature $-40 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +140 \,^{\circ}\text{F})$

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 3.8 L

Weight, net 9 kg | 19.842 lb