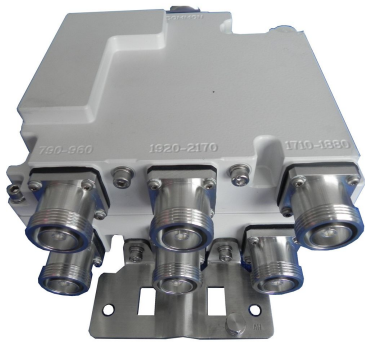# E11F05P50

Twin Triplexer 900/1800/UMTS, no dc bypass

OBSOLETE

This product was discontinued on: July 1, 2022

Replaced By:

E14F10P47   Ultra Compact Twin Triplexer 698-960/1800/2100-2700, 4.3-10 connectors

Product Classification

Product Type	Triplexer

General Specifications

Product Family	CBC81821
Color	Gray
Common Port Label	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	Medium neck

Dimensions

Height	151 mm | 5.945 in
Width	108 mm | 4.252 in
Depth	192 mm | 7.559 in
Mounting Pipe Diameter Range	40−160 mm

Outline Drawing

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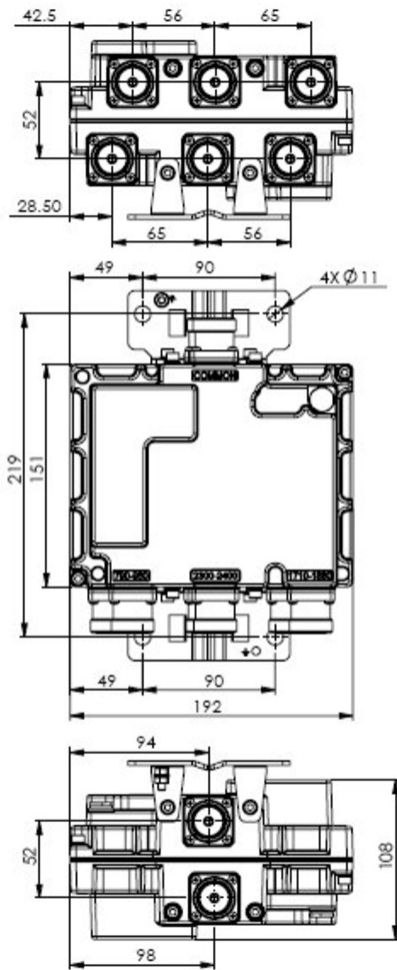
Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	CEL 850	CEL 900	DCS 1800	EDD 800	IMT 2100	LMR 800	LMR 900

Electrical Specifications, dc Power/Alarm

Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	1 | 2	1 | 2	1 | 2
Branch	1	2	3
Port Designation	790-960	1710-1880	1920-2170

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License Band

CEL 850, Band Pass
CEL 900, Band Pass
EDD 800, Band Pass
LMR 800, Band Pass
LMR 900, Band Pass

DCS 1800, Band Pass   IMT 2100, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	790–960	1710–1880	1920–2170
Insertion Loss, typical, dB	0.15	0.2	0.2
Return Loss, minimum, dB	21	21	21
Return Loss, typical, dB	24	24	24
Isolation, minimum, dB	50	50	50
Input Power, RMS, maximum, W	350	250	250
Input Power, PEP, maximum, W	3000	2500	2500
3rd Order PIM, maximum, dBc	-153	-153	-153
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram

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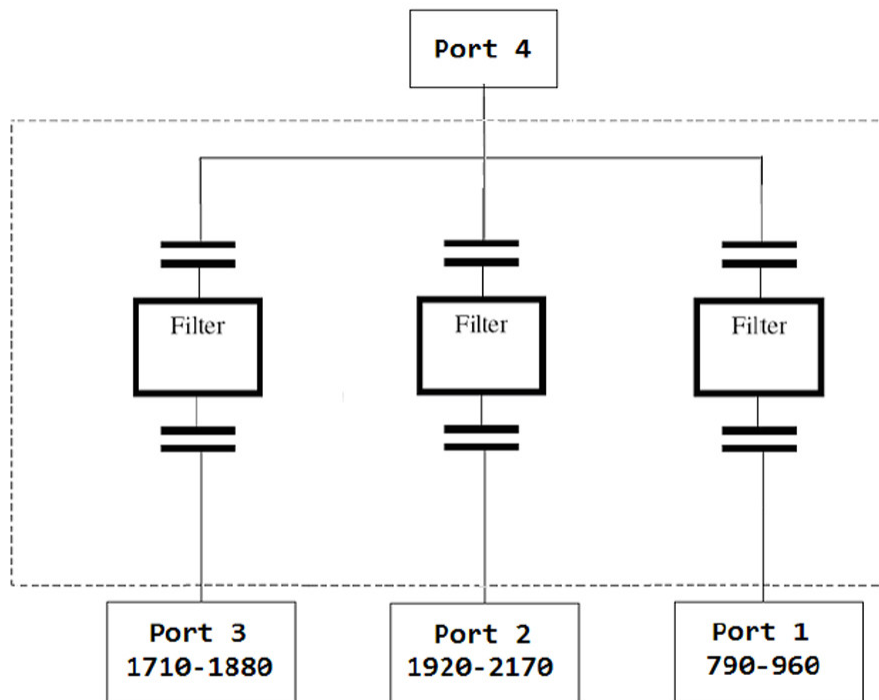
E11F05P50

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	3.1 L
Weight, net	4.7 kg | 10.362 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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