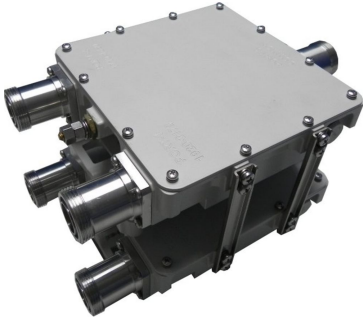


E11F05P81



Twin Diplexer, DCS 1800/UMTS 2100

OBSOLETE

This product was discontinued on: July 1, 2022

Replaced By:

E14F05P17

Twin Diplexer, DCS 1800/UMTS 2100, AISG compatible, dc pass all ports, with 4.3-10 connectors

Product Classification

Product Type Diplexer

General Specifications

Product Family CBC1821
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 149 mm | 5.866 in
Width 145 mm | 5.709 in
Depth 117 mm | 4.606 in
Mounting Pipe Diameter Range 40–160 mm

Electrical Specifications

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Impedance	50 ohm
License Band, Band Pass	DCS 1800 IMT 2100

Electrical Specifications, dc Power/Alarm

Lightning Surge Current	3 kA
Lightning Surge Current Waveform	10/350 waveform

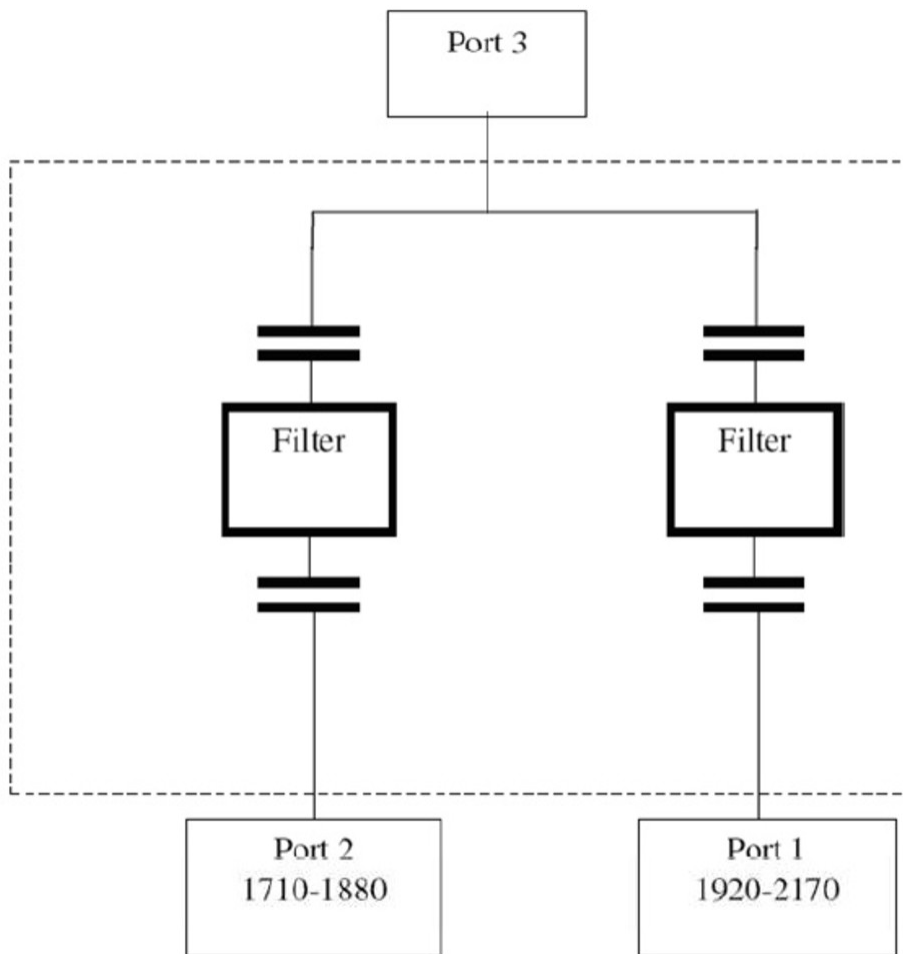
Electrical Specifications

Sub-module	1 2	1 2
Branch	1	2
Port Designation	PORT 2 1710-1880	PORT 1 1920-2170
License Band	DCS 1800, Band Pass IMT 2100, Band Pass	

Electrical Specifications, Band Pass

Frequency Range, MHz	1710–1880	1920–2170
Insertion Loss, maximum, dB	0.4	0.5
Insertion Loss, typical, dB	0.15	0.25
Return Loss, minimum, dB	18	18
Return Loss, typical, dB		20
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	250	250
3rd Order PIM, maximum, dBc	-153	-153
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 °C to +60 °C (-40 °F to +140 °F)
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Volume	2.5 L
Weight, net	3.5 kg 7.716 lb

Regulatory Compliance/Certifications

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

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