E11F02P26

Triplexer 790-862//880-960//1710-2170 MHZ, dc bypass on Mid band port

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OBSOLETE

This product was discontinued on: July 1, 2022

Replaced By:

E14F10P03 — Single Triplexer 700-800//900//1800-2600 MHz, DC Bypass on mid ports, with 4.3-10 connectors

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Product Classification

Product Type	Triplexer

General Specifications

Product Family	CBC8921
Color	Gray
Common Port Label	COM
Modularity	1-Single
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	255 mm	10.039 in
Width	285 mm	11.22 in
Depth	67 mm	2.638 in
Mounting Pipe Diameter Range	42.6–122 mm

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Outline Drawing
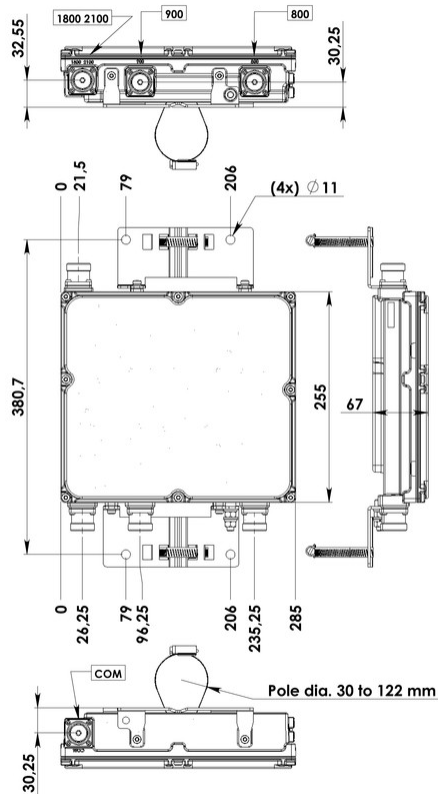
Electrical Specifications

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

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner	Branch 2
dc/AISG Pass-through, demultiplexer	Branch 2
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

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Electrical Specifications

Sub-module	**1**	**1**	**1**
Branch	1	2	3
Port Designation	800	900	1800-2100
License Band	EDD 800, Band Pass	CEL 900, Band Pass	DCS 1800, Band Pass IMT 2100, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	**790–862**	**880–960**	**1710–2170**
Insertion Loss, maximum, dB	0.4	0.4	0.4
Return Loss, minimum, dB	21	21	21
Isolation, minimum, dB	50	50	50
3rd Order PIM, maximum, dBc	-160	-160	-160
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

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Block Diagram
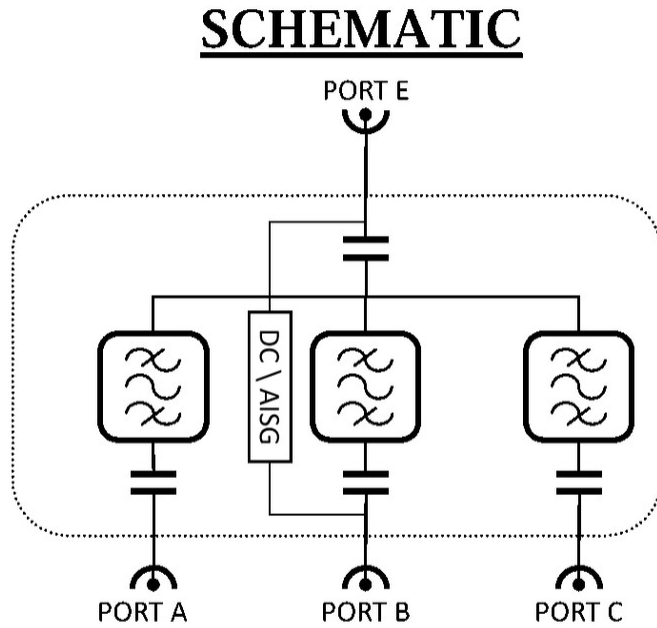
Environmental Specifications

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	4.9 L
Weight, net	6.5 kg	14.33 lb

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Regulatory Compliance/Certifications

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

ISO
9001:2015

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