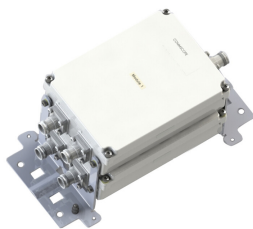


# E14F05P0790



Twin Diplexer, 2S-DPX D2-800/900 DC Block All ports, 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Industry leading PIM performance
- Twin configuration
- Designed for network modernization application, introduction of LTE700 and LTE800 on existing site
- dc/AISG blocking on all ports

**OBSOLETE**

This product was discontinued on: December 30, 2024

Replaced By:

E14F06P20                      Twin Diplexer, 700-800/900 DC Bypass All ports, 4.3-10 connectors

## Product Classification

**Product Type**    Diplexer

## General Specifications

**Product Family**    CBC789

**Color**    Gray

**Common Port Label**    PORT 3 COMMON

**Modularity**    2-Twin

**Mounting**    Pole | Wall

**Mounting Pipe Hardware**    Band clamps (2)

**RF Connector Interface**    4.3-10 Female

**RF Connector Interface Body Style**    Long neck

## Dimensions

**Height**    130 mm | 5.118 in

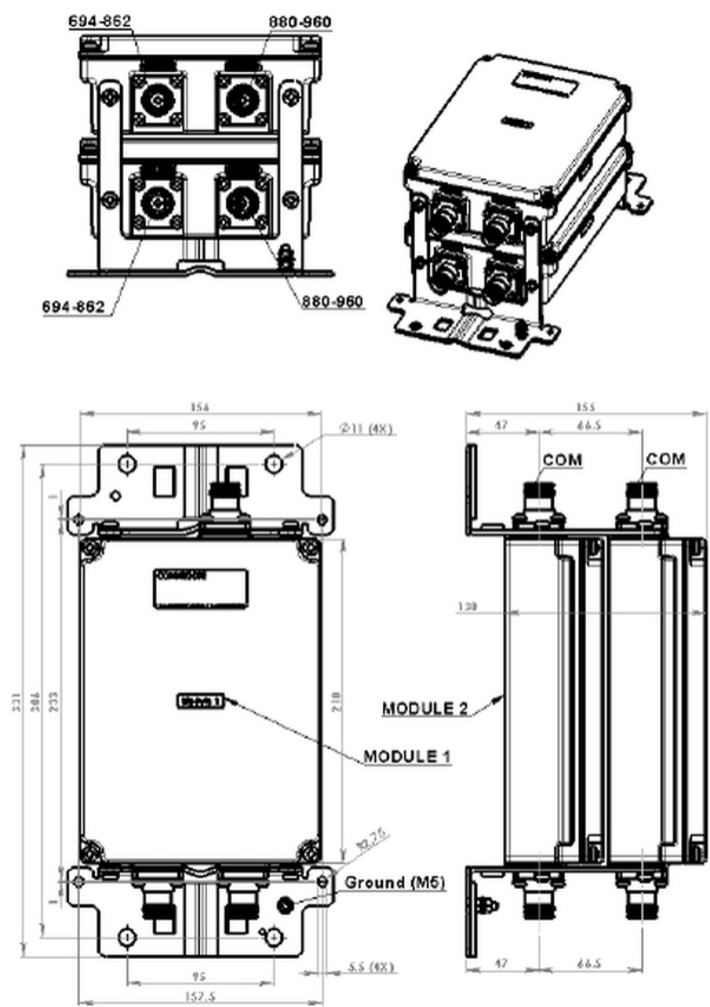
**Width**    210 mm | 8.268 in

**Depth**    156 mm | 6.142 in

**Mounting Pipe Diameter Range**    40–160 mm

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## Outline Drawing



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>License Band, Band Pass</b>	APT 700   CEL 900   EDD 800   LMR 800

## Electrical Specifications, dc Power/Alarm

<b>dc/AISG Pass-through Method</b>	No dc/AISG pass-through
<b>Lightning Surge Current</b>	5 kA
<b>Lightning Surge Current Waveform</b>	8/20 waveform

## Electrical Specifications

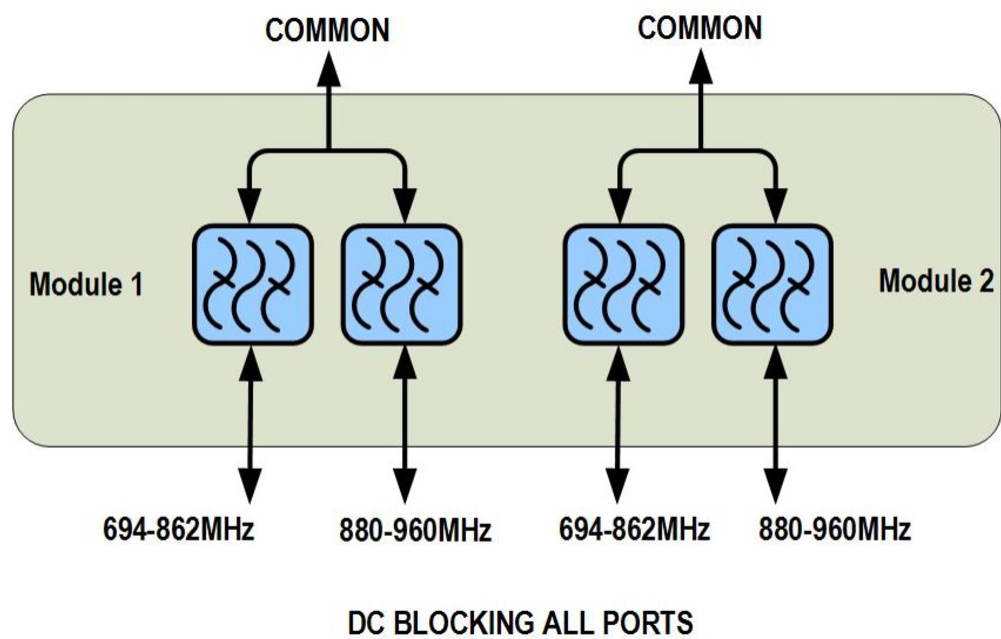
# E14F05P0790

Sub-module	1   2	1   2
Branch	1	2
Port Designation	PORT 1 694-862	PORT 2 880-960
License Band	APT 700, Band Pass EDD 800, Band Pass LMR 800, Band Pass	CEL 900, Band Pass

## Electrical Specifications, Band Pass

Frequency Range, MHz	694–862	880–960
Insertion Loss, typical, dB	0.2	0.2
Return Loss, typical, dB	22	22
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	300	300
Input Power, PEP, maximum, W	3000	3000
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 +65 °C (-40 °F to +149 °F)
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<b>Corrosion Test Method</b>	IEC 60068-2-11, 30 days
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP67

## Packaging and Weights

<b>Included</b>	Mounting hardware
<b>Volume</b>	4.2 L
<b>Weight, net</b>	5.2 kg   11.464 lb

## Regulatory Compliance/Certifications

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