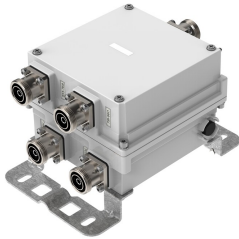


# E11F03P98

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Twin Diplexer, 703-768 / 791-960 MHz, DC Bypass on low band port of Module 1 and high band port of Module 2, 7/16 DIN connectors

- Industry leading PIM performance
- Designed for network Modernization, introduction of LTE700 on existing site
- Twin configuration
- dc/AISG pass-through on low frequency ports for Module1 and dc/AISG pass-through on high frequency for Module2

## Product Classification

**Product Type** Diplexer

## General Specifications

**Color** Gray

**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** 160 mm | 6.299 in

**Width** 113 mm | 4.449 in

**Depth** 160 mm | 6.299 in

**Mounting Pipe Diameter Range** 42.6–122 mm

## Outline Drawing



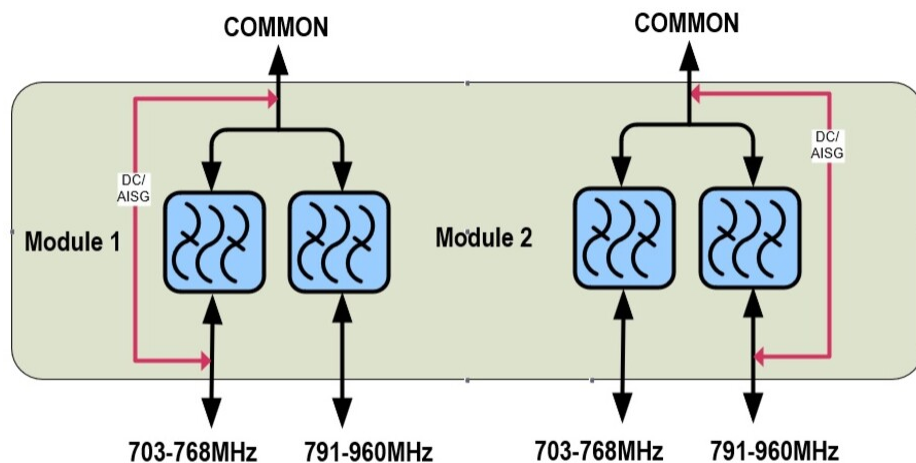
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<b>Branch</b>	1	2
<b>Port Designation</b>	703-768	791-935
<b>License Band</b>	APT 700, Band Pass	CEL 900, Band Pass

## Electrical Specifications, Band Pass

<b>Frequency Range, MHz</b>	<b>703–768</b>	<b>791–960</b>
<b>Insertion Loss, typical, dB</b>	0.3	0.3
<b>Return Loss, typical, dB</b>	20	20
<b>Isolation, minimum, dB</b>	50	50
<b>Input Power, RMS, maximum, W</b>	200	200
<b>Input Power, PEP, maximum, W</b>	2000	2000
<b>3rd Order PIM, typical, dBc</b>	-162	-162
<b>3rd Order PIM Test Method</b>	Two +43 dBm carriers	Two +43 dBm carriers

## Block Diagram



## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +65 °C (-40 °F to +149 °F)
<b>Corrosion Test Method</b>	IEC 60068-2-11, 30 days
<b>Environmental Test Method</b>	ETSI EN 300 019-1-4
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP67

## Packaging and Weights

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<b>Included</b>	Mounting hardware
<b>Volume</b>	2.95 L
<b>Weight, net</b>	4 kg   8.818 lb
<b>Weight, without mounting hardware</b>	3.6 kg   7.937 lb

## Regulatory Compliance/Certifications

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