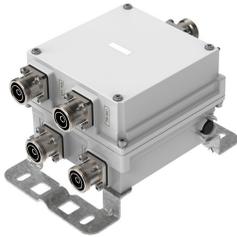


E11F03P98



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

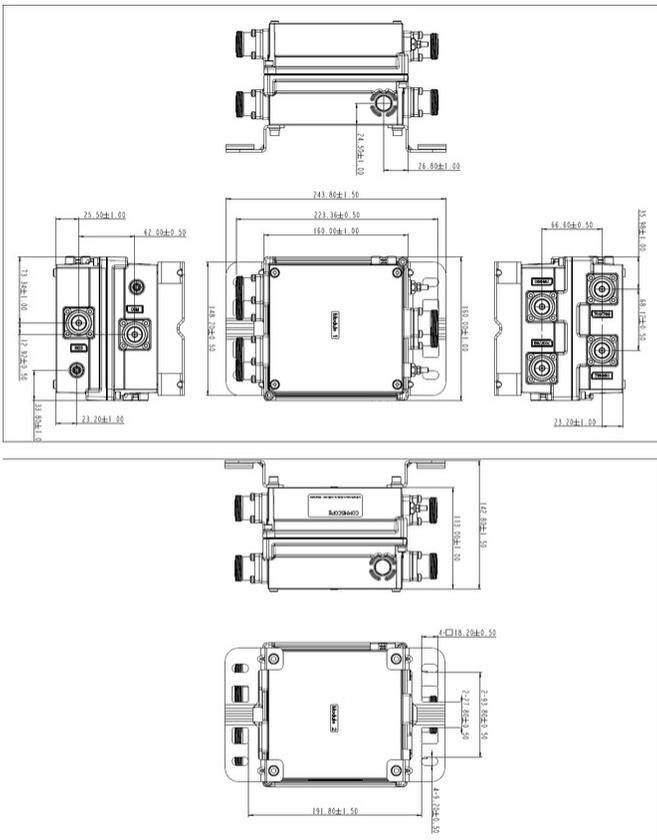
Width 113 mm | 4.449 in

Depth 160 mm | 6.299 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing

E11F03P98



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	APT 700 CEL 850 CEL 900

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner	Branch 1 Branch 2
dc/AISG Pass-through, demultiplexer	Branch 1 Branch 2
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	1 2	1 2
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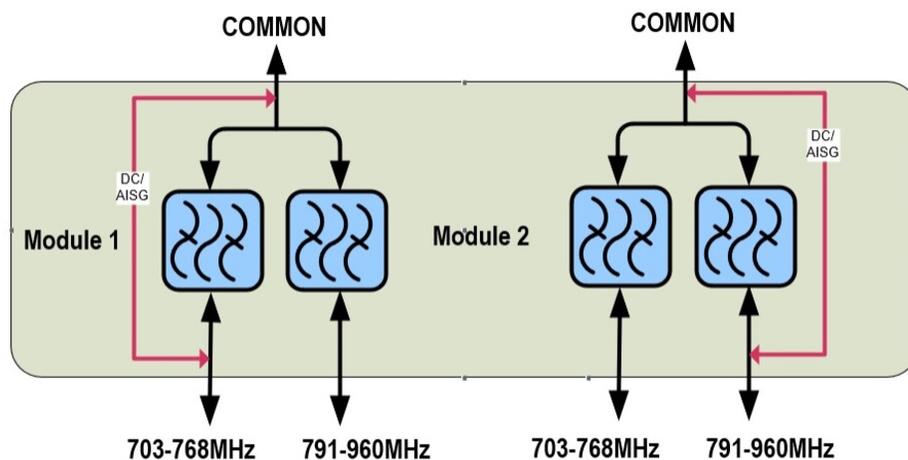
E11F03P98

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

Electrical Specifications, Band Pass

	703-768	791-960
Frequency Range, MHz	703-768	791-960
Insertion Loss, typical, dB	0.3	0.3
Return Loss, typical, dB	20	20
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	200	200
Input Power, PEP, maximum, W	2000	2000
3rd Order PIM, typical, dBc	-162	-162
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)
Corrosion Test Method	IEC 60068-2-11, 30 days
Environmental Test Method	ETSI EN 300 019-1-4
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

E11F03P98

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

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system