

E12F01P94



Triplexer 698-960/1710-2170/2300-2600, dc bypass on port 1, with 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Industry leading PIM performance
- Suitable for feeders cables reduction

OBSOLETE

This product was discontinued on: December 31, 2023

Replaced By:

E12F01P93

Triplexer 700-900/1700-2100/2300-2700, dc bypass on all ports

Product Classification

Product Type Triplexer

General Specifications

Product Family	CBC71726
Color	Gray
Common Port Label	COMM
Modularity	1-Single
Mounting	Pole Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	4.3-10 Female
RF Connector Interface Body Style	Medium neck

Dimensions

Height	153 mm 6.024 in
Width	62 mm 2.441 in
Depth	182 mm 7.165 in
Mounting Pipe Diameter Range	42.6–122 mm

Electrical Specifications

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Impedance	50 ohm
License Band, Band Pass	APT 700 AWS 1700 CEL 850 CEL 900 DCS 1800 EDD 800 IMT 2100 IMT 2600 LMR 750 LMR 800 LMR 900 USA 700 USA 750 WCS 2300

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner	Branch 1
dc/AISG Pass-through, demultiplexer	Branch 1
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

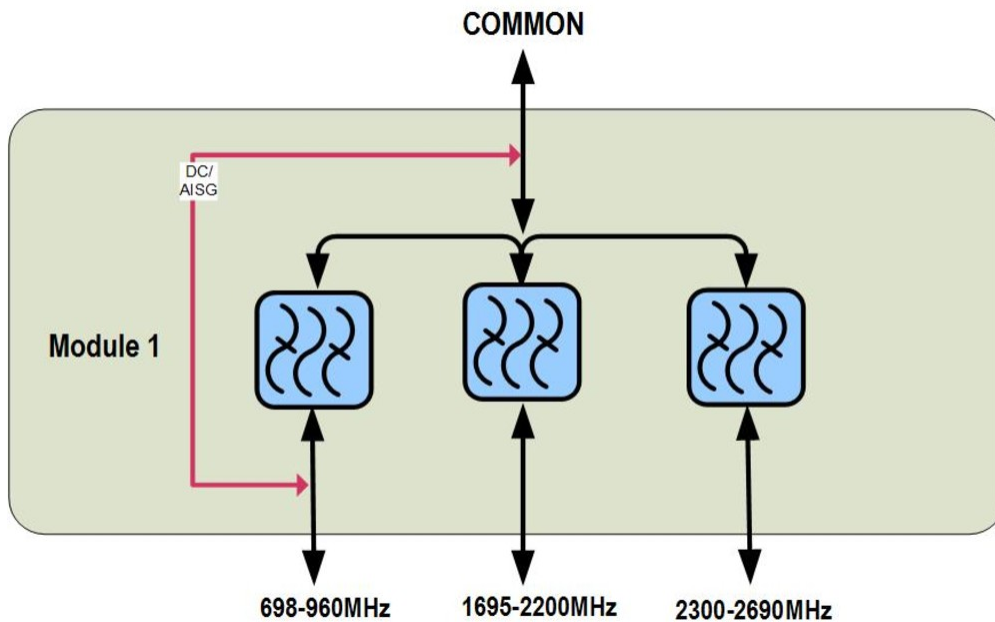
Electrical Specifications

Sub-module	1	1	1
Branch	1	2	3
Port Designation	698-960	1710-2170	2300-2690
License Band	APT 700, Band Pass CEL 850, Band Pass CEL 900, Band Pass EDD 800, Band Pass LMR 750, Band Pass LMR 800, Band Pass LMR 900, Band Pass USA 700, Band Pass USA 750, Band Pass	AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass PCS 1900, Band Pass	IMT 2600, Band Pass WCS 2300, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	698–960	1710–2170	2300–2690
Insertion Loss, typical, dB	0.15	0.2	0.25
Return Loss, minimum, dB	18	18	18
Return Loss, typical, dB	20	20	20
Isolation, minimum, dB	50	50	50
3rd Order PIM, typical, dBc	-160	-160	-160
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones	2 x 20 W CW tones

Block Diagram



Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Volume	1.9 L
Weight, net	3.2 kg 7.055 lb

Regulatory Compliance/Certifications

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

