

E14F60P24

1X Triplexer 703-862/880-960/1350-2700, DC Smart Bypass, with 4.3-10 connectors

- Industry leading PIM performance
- Single configuration
- New 4.3-10 connectors for improved PIM performance and size reduction
- Designed for network modernization application, introduction of LTE1400 on existing site
- Designed for network modernization application, introduction of LTE700 and LTE800 on existing site
- DC/AISG SMART bypass functionality

OBSOLETE

This product was discontinued on: December 31, 2024

Replaced By:

E14F60P23 2X Triplexer 703-862/880-960/1350-2700, DC bypass on all ports, with 4.3-10 connectors

Product Classification

Product Type Triplexer

General Specifications

Color Gray

Modularity 2-Twin

Mounting Pole | Wall

Mounting Pipe Hardware Band clamps (2)

RF Connector Interface 4.3-10 Female

Dimensions

Height 110 mm | 4.331 in

Width 204 mm | 8.032 in

Depth 222 mm | 8.74 in

Mounting Pipe Diameter Range 43–122 mm

Electrical Specifications

Impedance 50 ohm

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner Autosensing



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dc/AISG Pass-through, demultiplexer	Autosensing
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

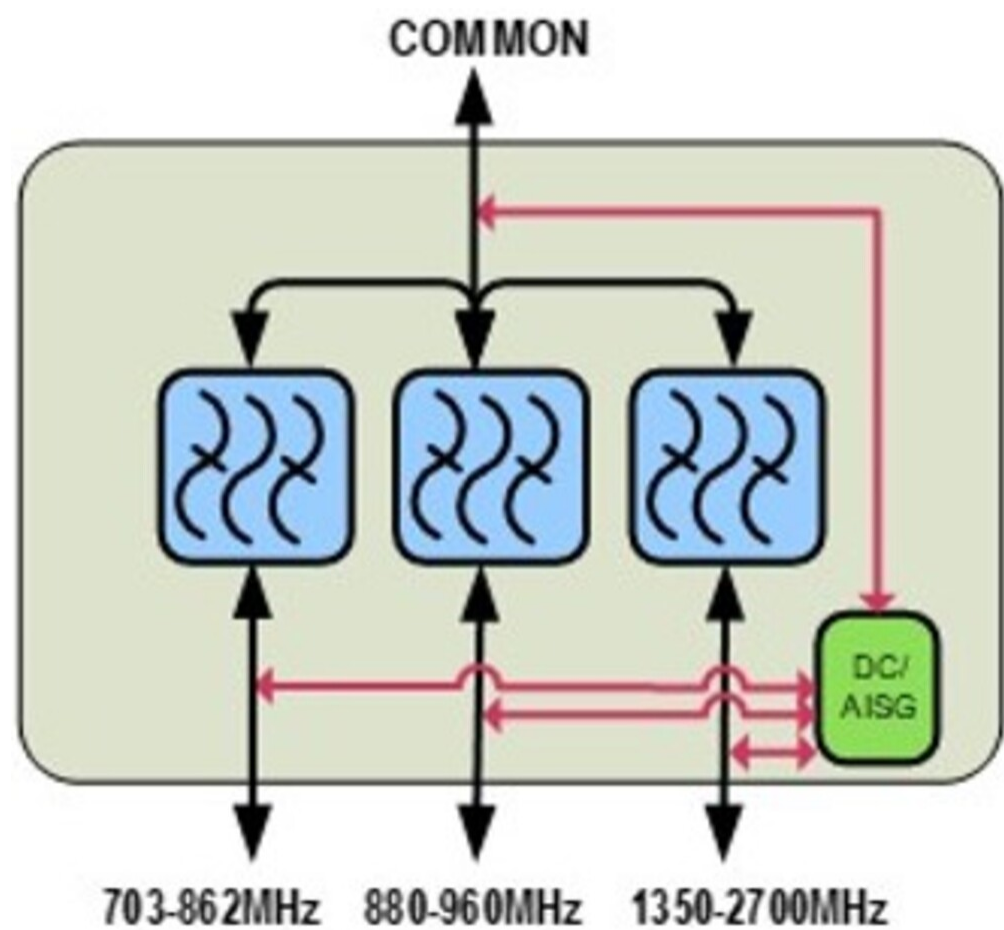
Electrical Specifications

Sub-module	1 2	1 2	1 2
Branch	1	2	3
Port Designation	703-862	880-960	1350-2700
License Band	APT 700, Band Pass EDD 800, Band Pass	CEL 900, Band Pass LMR 900, Band Pass	DCS 1800, Band Pass IMT 2100, Band Pass TDD 2300, Band Pass IMT 2600, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	703–862	880–960	1350–2700
Insertion Loss, typical, dB	0.45	0.45	0.4
Return Loss, typical, dB	20	20	20
Isolation, typical, dB	51	51	51
Input Power, RMS, maximum, W	300	300	300
Input Power, PEP, maximum, W	3000	3000	3000
3rd Order PIM, typical, dBc	-162	-162	-162
3rd Order PIM Test Method	Two +43 dBm carriers	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

Included	Mounting hardware
Volume	5.1 L
Weight, with mounting hardware	7.1 kg 15.653 lb
Weight, without mounting hardware	6.8 kg 14.991 lb

Regulatory Compliance/Certifications

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