E14F60P19

2X Triplexer 703-862/880-960/1350-2700, DC Smart Bypass, with 4.3-10 connectors

- Industry leading PIM performance
- Twin 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
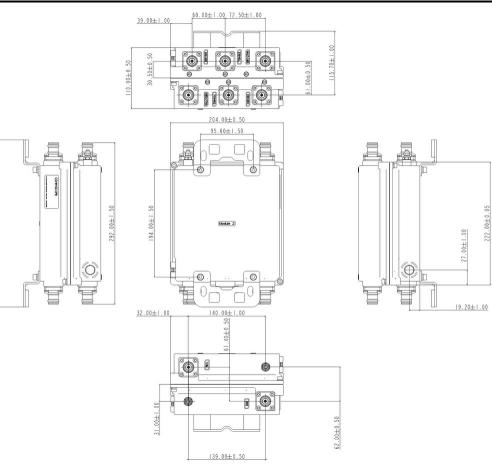- DC/AISG SMART bypass functionality

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

Outline Drawing

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Electrical Specifications

Impedance	50 ohm

Electrical Specifications, dc Power/Alarm

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

Electrical Specifications

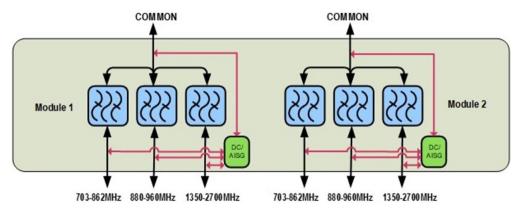| **Sub-module**	**1 | 2**	**1 | 2**	**1 | 2**
Branch	1	2	3
Port Designation	703-862	880-960	1350-2700
License Band	APT 700, Band Pass EDD 800, Band Pass	CEL 900, Band Pass LMR 900, Band Pass	DCS 1800, Band Pass IMT 2100, Band Pass

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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

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Regulatory Compliance/Certifications

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