

E14F11P37



Twin Triplexer 1350-1880/1920-2170/2300-2690, DC Smart Bypass, 4.3-10 connectors

- Industry leading PIM performance
- Twin configuration
- Designed for network Modernization, introduction of LTE1800 on existing site
- Designed for network Modernization, introduction of LTE2600 on existing site
- New 4.3-10 connectors for improved PIM performance and size reduction

Product Classification

Product Type Triplexer

General Specifications

Color Gray

Common Port Label COMM

Modularity 2-Twin

Mounting Pole | Wall

Mounting Pipe Hardware Band clamps (2)

RF Connector Interface 4.3-10 Female

Dimensions

Height 100 mm | 3.937 in

Width 168 mm | 6.614 in

Depth 165 mm | 6.496 in

Mounting Pipe Diameter Range 42.6–122 mm

Electrical Specifications

Impedance 50 ohm

License Band, Band Pass DCS 1800 | IMT 2100 | IMT 2600 | PDC 1500

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner Autosensing

dc/AISG Pass-through, demultiplexer Autosensing

Lightning Surge Current 5 kA

Lightning Surge Current Waveform 8/20 waveform

E14F11P37

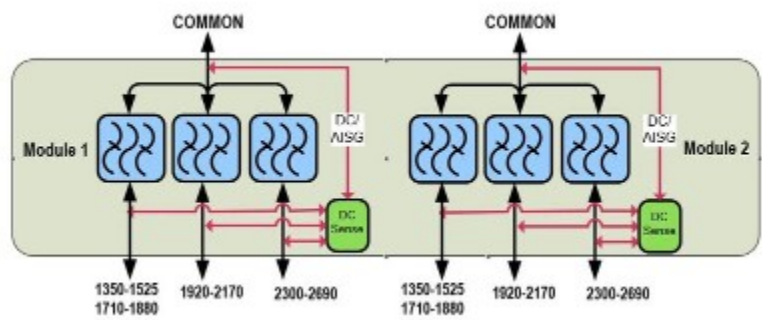
Electrical Specifications

Sub-module	1 2	1 2	1 2
Branch	1	2	3
Port Designation	1800	2100	2600
License Band	DCS 1800, Band Pass	IMT 2100, Band Pass	IMT 2600, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	1325–1525 1710–1880	1920–2170	2300–2690
Insertion Loss, typical, dB	0.3	0.3	0.2
Return Loss, minimum, dB	18	18	18
Return Loss, typical, dB	20	20	20
Isolation, minimum, dB	50	50	50
Input Power, RMS, maximum, W	300	300	300
Input Power, PEP, maximum, W	1500	1500	1500
3rd Order PIM, typical, dBc	-157	-157	-157
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 +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67

E14F11P37

Packaging and Weights

Included	Mounting hardware
Volume	2.8 L
Weight, net	3.7 kg 8.157 lb

Regulatory Compliance/Certifications

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