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Twin Diplexer, 1325-1880/1920-2690, dc/AISG Smart bypass functionality, with 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Designed for network Modernization, introduction of LTE1800 on existing site
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- Twin configuration
- DC/AISG SMART bypass functionality

Product Classification

Product Type	Diplexer
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	145 mm 5.709 in
Width	132.5 mm 5.217 in
Depth	104 mm 4.094 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 Method	Auto sensing
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

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Branch Port Designation	1 PORT 1 1350-1880	2 PORT 2 1920-2690
-	FURT 1 1530-1660	FURT 2 1920-2090
Electrical Specifications, Band Pass		
Frequency Range, MHz	1325–1525 1710–1880	1920-2690
Insertion Loss, typical, dB	0.25	0.25
Return Loss, typical, dB	20	20
Isolation, typical, dB	52	52
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
Corrosion Test Method	IEC 60068-2-11, 30 c
Environmental Test Method	ETSI EN 300 019-1-4
Ingress Protection Test Method	IEC 60529:2001, IP6
Packaging and Weights	
Included	Mounting hardware

40 °C to +65 °C (-40 °F to +149 °F) EC 60068-2-11, 30 days TSI EN 300 019-1-4 EC 60529:2001, IP67

F

Volume

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2 L

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Weight, net	2.8 kg 6.173 lb
Weight, without mounting hardware	2.5 kg 5.512 lb

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