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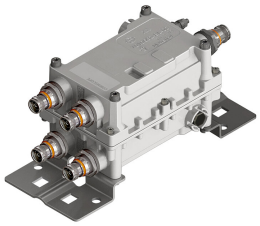

Twin Diplexer, 380–2200 MHz/2300–2690 MHz, dc pass low paired with high, with 4.3-10 connectors

- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- Twin configuration
- Minimal Insertion Loss
- Ultra-wideband low-band combiner
- Ultra-wideband high-band combiner
- dc/AISG pass-through on low frequency ports for Module1 and dc/AISG pass-through on high frequency for Module2

OBSOLETE

Product Classification

Product Type	Diplexer

General Specifications

Color	Gray
Common Port Label	ANT
Modularity	2-Twin
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	183 mm | 7.205 in
Width	121 mm | 4.764 in
Depth	860 mm | 33.858 in
Ground Screw Diameter	5 mm | 0.197 in
Mounting Pipe Diameter Range	40–160 mm

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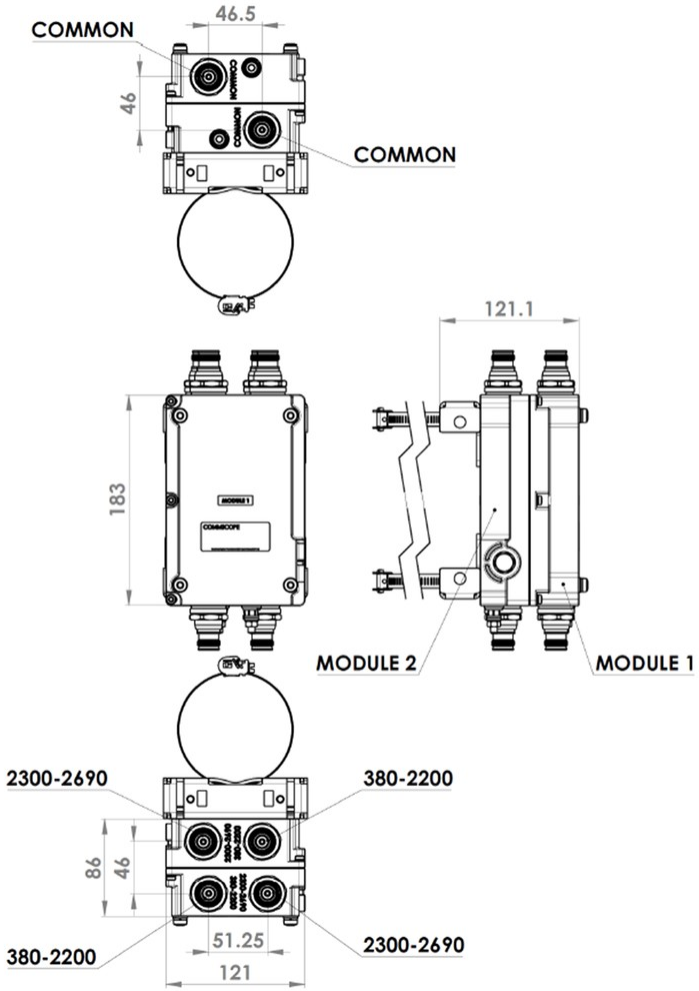
Outline Drawing



Electrical Specifications

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 | PCS 1900 | TDD 1900 | TDD 2300 | TDD 2600 | USA 700 | USA 750 | WCS 2300

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	Factory set
dc/AISG Pass-through, combiner	Branch 1 | Branch 2
dc/AISG Pass-through, demultiplexer	Branch 1 | Branch 2
Lightning Surge Current	5 kA

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Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications, AISG

AISG Carrier	2176 KHz ± 100 ppm

Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**
Branch	1	2
Port Designation	PORT 1 380-2200	PORT 2 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 DCS 1800, Band Pass TDD 1900, Band Pass IMT 2100, Band Pass	TDD 2600, Band Pass IMT 2600, Band Pass WCS 2300, Band Pass TDD 2300, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	**380–2200**	**2300–2690**
Insertion Loss, typical, dB	0.07	0.14
Total Group Delay, typical, ns		5
Return Loss, typical, dB	18	22
Isolation, minimum, dB	55	55
Input Power, RMS, maximum, W	200	200
Input Power, PEP, maximum, W	2000	2000
3rd Order PIM, typical, dBc	-161	-161
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram

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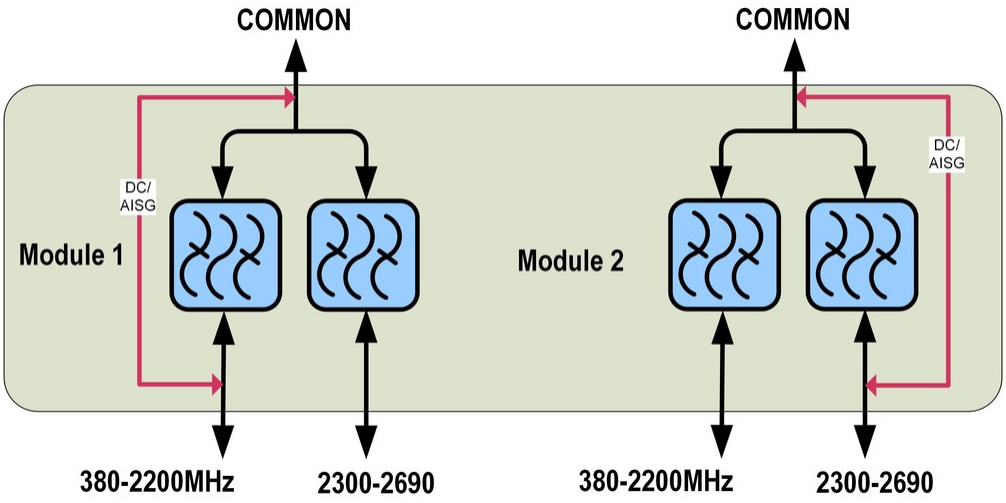

Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Volume	1.9 L
Weight, net	4.5 kg | 9.921 lb
Weight, without mounting hardware	3.9 kg | 8.598 lb

Regulatory Compliance/Certifications

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