

Twin 2-pak Diplexer, 1350–1525 MHz/1710–2690 MHz, DC bypass all ports, with 4.3-10 connectors

- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG pass-through on all frequency ports
- Designed for network modernization application, introduction of LTE1400 on existing site

Product Classification

Product Type	Diplexer
General Specifications	
Product Family	CBC426
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	Long neck
Dimensions	
Usight	165 mm 6 406

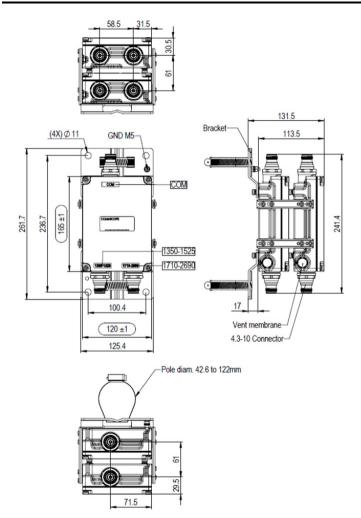
Mounting Pipe Diameter Range	40-160 mm
Ground Screw Diameter	5 mm 0.197 in
Depth	113.5 mm 4.469 in
Width	120 mm 4.724 in
Height	165 mm 6.496 in

Outline Drawing

Page 1 of 4



©2025 ANDREW, an Amphenol company. All rights reserved. Amphenol and ANDREW are registered trademarks of Amphenol and/or its affiliates in the U.S. and other countries. All product names, trademarks and registered trademarks are property of their respective owners. Revised: March 20, 2025



Electrical Specifications

License Band, Band Pass

Impedance

50 ohm

APT 700 | AWS 1700 | CEL 850 | CEL 900 | DCS 1800 | EDD 800 | IMT 2100 | IMT 2600 | LMR 750 | LMR 800 | LMR 900 | PCS 1900 | PDC 1500 | SDL 1400 | 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 Path	Branch 1 Branch 2
dc/AISG Pass-through, combiner	Branch 1 Branch 2
dc/AISG Pass-through, demultiplexer	Branch 1 Branch 2
Lightning Surge Current	10 kA

Page 2 of 4



©2025 ANDREW, an Amphenol company. All rights reserved. Amphenol and ANDREW are registered trademarks of Amphenol and/or its affiliates in the U.S. and other countries. All product names, trademarks and registered trademarks are property of their respective owners. Revised: March 20, 2025

Lightning Surge Current Waveform	8/20 waveform	
Electrical Specifications, AISG		
AISG Carrier	2176 KHz ± 100 ppm	
Insertion Loss, maximum	1.4 dB	
Return Loss, minimum	10 dB	
Electrical Specifications		
Sub-module	1 2 1 2	

Sub-module	1 2	1 2
Branch	1	2
Port Designation	PORT 1 1350-1525	PORT 2 1710-2690
License Band	PDC 1500, Band Pass SDL 1400, Band Pass	AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass IMT 2600, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	1350-1525	1710-2690
Insertion Loss, typical, dB	0.2	0.25
Total Group Delay, typical, ns	8	8
Return Loss, minimum, dB	18	18
Return Loss, typical, dB	20	20
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	200	200
Input Power, PEP, maximum, W	2000	2000
3rd Order PIM, typical, dBc	-163	-163
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

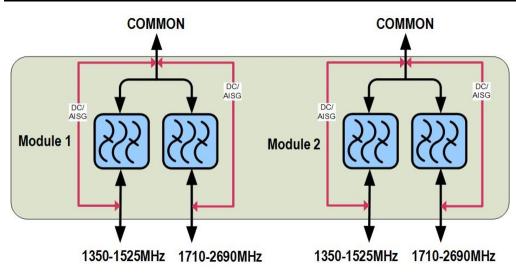
Block Diagram





PCS 1900, Band Pass TDD 2300, Band Pass TDD 2600, Band Pass WCS 2300, Band Pass

©2025 ANDREW, an Amphenol company. All rights reserved. Amphenol and ANDREW are registered trademarks of Amphenol and/or its affiliates in the U.S. and other countries. All product names, trademarks and registered trademarks are property of their respective owners. Revised: March 20, 2025



Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity	5%-100%
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67
Packaging and Weights	
Included	Mounting hardware
Volume	2.5 L

Regulatory Compliance/Certifications

Classification

ISO 9001:2015

Agency

Weight, net

and manufactured and/or dist

Designed, manufactured and/or distributed under this quality management system

4.3 kg | 9.48 lb

ANDREW

an Amphenol company

©2025 ANDREW, an Amphenol company. All rights reserved. Amphenol and ANDREW are registered trademarks of Amphenol and/or its affiliates in the U.S. and other countries. All product names, trademarks and registered trademarks are property of their respective owners. Revised: March 20, 2025

Page 4 of 4