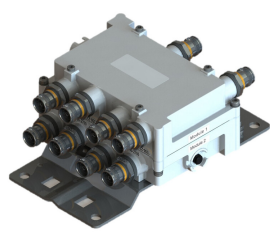# CDX1726Q-DL-43 | E14F06P72

Quad Diplexer 1350-2200/2300-2700 MHz, DC bypass on 1350-2200 ports, 4.3-10 connectors

Product Classification

Product Type	Diplexer

General Specifications

Color	Gray
Common Port Label	COMM
Modularity	4-Quad
Mounting	Pole | Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	4.3-10 Female
RF Connector Interface Body Style	Medium neck

Dimensions

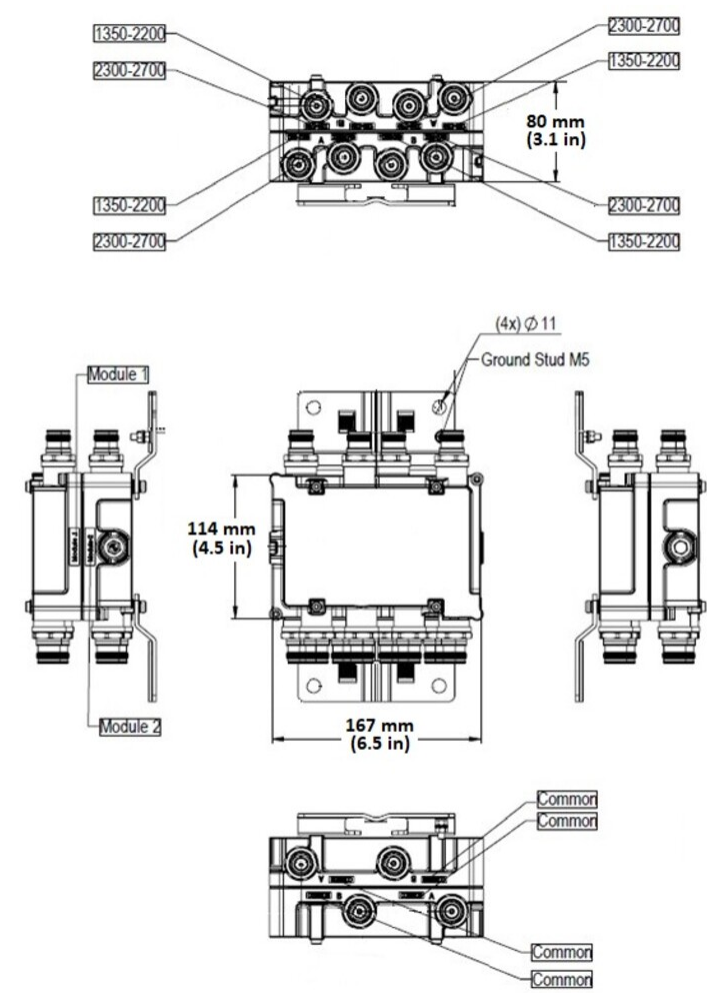|	
Height	114 mm | 4.488 in
Width	167 mm | 6.575 in
Depth	80 mm | 3.15 in
Ground Screw Diameter	5 mm | 0.197 in
Mounting Pipe Diameter Range	42.6–122 mm

Outline Drawing

Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	AWS 1700	DCS 1800	IMT 2100	IMT 2600	PCS 1900	TDD 1900	TDD 2000	TDD 2300	TDD 2600	WCS 2300

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner	Branch 1
dc/AISG Pass-through, demultiplexer	Branch 1
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

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Sub-module	1	2	3	4	1	2	3	4
Branch	4	4
Port Designation	1350-2200 MHz	2300-2700 MHz
License Band	AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass PCS 1900, Band Pass TDD 1900, Band Pass TDD 2000, Band Pass	IMT 2600, Band Pass WCS 2300, Band Pass TDD 2300, Band Pass TDD 2600, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	**1350–2200**	**2300–2700**
Insertion Loss, maximum, dB	0.35	0.3
Insertion Loss, typical, dB	0.15	0.15
Total Group Delay, maximum, ns	10	15
Return Loss, minimum, dB	18	18
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	150	150
Input Power, PEP, maximum, W	2000	2000
3rd Order PIM, typical, dBc	-161	-161
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

Block Diagram
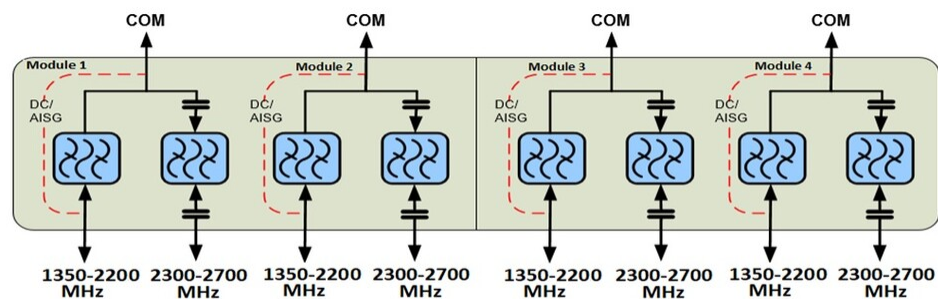
Environmental Specifications

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

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Packaging and Weights

Included	Mounting hardware
Volume	1.55 L
Weight, with mounting hardware	3.6 kg	7.937 lb