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CommScope CMAX-D-43-UW-I53 Low PIM Directional In-building Antenna, 617-960 MHz, 1695-2700, 3300-3800 and 4900-6000MHz

SKU: ACC-CS-00017

MPN: CMAX-D-43-UW-I53

Description

The CommScope CMAX-D-43-UW-I53 is a robust Low PIM Directional In-building Antenna designed for efficient wireless communication across a wide frequency range of 617 MHz to 6000 MHz. This panel antenna is compact, measuring 301 x 296 x 126 mm and weighing 2.4 kg, constructed from durable Polyvinyl Chloride (PVC) to withstand temperatures from -40 °C to 60 °C.

Engineered for superior performance, the antenna offers a vertical polarisation with a 3rd Order PIM rating of -153 dBc, ensuring minimal interference and optimal signal integrity. It supports a 50 Ω impedance and handles up to 50 W input power. The antenna provides a peak gain ranging from 4.8 dBi to 7.2 dBi across its operational bands, with varying azimuth beamwidths for targeted coverage, making it suitable for diverse in-building applications.

Equipped with a single 4.3-10 Female RF connection via a 420 mm 0.141 Semi-Rigid cable, this antenna ensures reliable connectivity...

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CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of ...

RF Specification

Start Frequency:	617 MHz	Polarisation:	Vertical (V)
Stop Frequency:	6000 MHz	Input Impedance:	50 Ω
Max. Input Power:	50 W		

RF Connectors

Ports	RF Interface	Cable Series	Length
1	4.3-10 Female	0.141 Semi-Rigid	420 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth
617 MHz	698 MHz	5.8 dBi	> 10.9 dB	< 1.8:1	90°
698 MHz	960 MHz	5.8 dBi	> 10.9 dB	< 1.8:1	86°
1710 MHz	2700 MHz	7.2 dBi	> 10.9 dB	< 1.8:1	58°
3300 MHz	3800 MHz	6.5 dBi	> 11.7 dB	< 1.7:1	60°
4900 MHz	6000 MHz	4.8 dBi	> 10.9 dB	< 1.8:1	68°

Physical Specification

Subtype:	Panel / Sector	Dimensions:	301 x 296 x 126
Input Ports:	1	Materials:	Polyvinyl Chloride (PVC)
MIMO:	1x1 SISO	Weight:	2.4 kg
Min. Operating Temperature:	-40 °C	Compliance/Certifications:	ISO 9001 Quality Management , RoHS
Max. Operating Temperature:	60 °C		
PIM, 3rd Order:	-153 dBc		

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