CMAX-OMF6-43-UWI53

Cell-Max™ Low PIM Omni MIMO In-building Antenna, 617-6000 MHz

Product Classification

Product Type	In-building antenna
Product Brand	Cell-Max™

General Specifications

Application	Indoor
Antenna Type	Omni
Antenna Array Characteristic	MIMO 2x2
Polarization	Linear Horizontal
Color	White (RAL 9016)
Mounting	Thru-hole ceiling mount (optional)
Mounting Note	For antenna installation on metal ceilings, please contact your local CommScope representative
Number of Ports	2
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ASA+PC, UV stabilized
RF Connector Interface	4.3-10 Female

Dimensions

Height	18 mm	0.709 in
Pigtail Length	500 mm	19.685 in
Outer Diameter	266 mm	10.472 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1400 – 1500 MHz	1695 – 2700 MHz	3300 – 4200 MHz	4900 – 6000 MHz	617 – 698 MHz	698 – 960 MHz
Electrical Note	Values typical, unless otherwise stated

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Electrical Specifications

Frequency Band, MHz	617–698	698–960	1400–1500	1695–2700	3300–4200	4900–6000
Gain, dBi	2	3.3	4	4.5	6	4.6
Beamwidth, Horizontal, degrees	360	360	360	360	360	360
Isolation, Cross Polarization, dB	16	16	18	20	30	30
VSWR | Return loss, dB	1.6 | 12.7	1.6 | 12.7	1.6 | 12.7	1.6 | 12.7	1.6 | 12.7	1.6 | 12.7
PIM, 3rd Order, 2 x 20 W, dBc		-153	-153	-153	-153	
Input Power per Port, maximum, watts	100	100	100	100	100	100

Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%

Packaging and Weights

Width, packed	278 mm | 10.945 in
Depth, packed	102 mm | 4.016 in
Length, packed	280 mm | 11.024 in
Weight, gross	0.7 kg | 1.543 lb
Weight, net	0.5 kg | 1.102 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant
UK-ROHS	Compliant

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