CMAX-OMF8-43-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	65 mm | 2.559 in
Pigtail Length	500 mm | 19.685 in
Outer Diameter	207 mm | 8.15 in

Electrical Specifications

Electrical Note	Values typical, unless otherwise stated
Impedance	50 ohm

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Operating Frequency Band	1695 – 2700 MHz | 3300 – 4200 MHz | 4800 – 6000 MHz | 617 – 698 MHz | 698 – 960 MHz

Electrical Specifications

Frequency Band, MHz	**617–698**	**698–960**	**1695–2700**	**3300–4200**	**4800–6000**
Gain, dBi	3.8	4	4	6	6
Beamwidth, Horizontal, degrees	360	360	360	360	360
Isolation, Cross Polarization, dB	15	17	18	19	19
VSWR | Return loss, dB	1.7 | 11.7	1.7 | 11.7	1.7 | 11.7	1.7 | 11.7	1.7 | 11.7
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153		
Input Power per Port, maximum, watts	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

Height, packed	200 mm | 7.874 in
Width, packed	165 mm | 6.496 in
Length, packed	210 mm | 8.268 in
Weight, gross	0.7 kg | 1.543 lb
Weight, net	0.6 kg | 1.323 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
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant