

CMAX-OMH-43-I53



Cell-Max™ Low PIM Omni MIMO In-building Antenna, V-POL PORT 698–960 / 1710–2700 MHz and H-POL PORT 1710–2700 MHz (LB-SISO), (HB-MIMO), 4.3-10

OBSOLETE

This product was discontinued on: July 31, 2021

Replaced By:

CMAX-OMF1-43-V53 Cell-Max™ Low PIM Omni MIMO In-building Antenna, 698–960 MHz and 1710–2700 MHz, 4.3-10

Product Classification

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

General Specifications

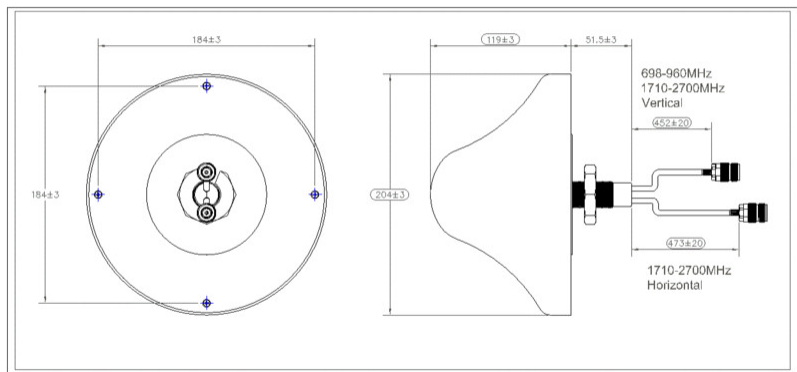
Application	Indoor
Antenna Type	Omni
Antenna Array Characteristic	MIMO 2x2
Color	White (RAL 9016)
Mounting	Thru-hole ceiling mount (optional)
Number of Ports	2
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ABS
RF Connector Interface	4.3-10 Female

Dimensions

Height	119 mm 4.685 in
Pigtail Length	500 mm 19.685 in
Outer Diameter	204 mm 8.031 in

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Outline Drawing



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 – 2700 MHz 698 – 960 MHz
Polarization at Frequency Band	Horizontal/Vertical @ 1710–2700 MHz Vertical @ 698–800 MHz Vertical @ 800–960 MHz

Electrical Specifications

Frequency Band, MHz	698–800	800–960	1710–2200	2200–2700
Gain, dBi	1.5	1.5	3.5	4.3
Beamwidth, Horizontal, degrees	360	360	360	360
Beamwidth, Vertical, degrees	60	60	42	60
Isolation, Cross Polarization, dB			25	25
VSWR Return loss, dB	1.8 10.9	1.5 14.0	1.8 10.9	1.8 10.9
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153
Input Power per Port, maximum, watts	50	50	50	50

Environmental Specifications

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

Packaging and Weights

Height, packed	185 mm 7.283 in
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Width, packed	180 mm 7.087 in
Length, packed	180 mm 7.087 in
Weight, gross	0.6 kg 1.323 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
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

