CMAX-OMF2-43-I53

Cell-Max™ Low PIM Omni MIMO In-building Antenna, 698–960 MHz and 1710–2700 MHz

OBSOLETE

This product was discontinued on: July 30, 2022

Replaced By:

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	Horizontal | Vertical
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	ABS
RF Connector Interface	4.3-10 Female

Dimensions

Height	155 mm | 6.102 in
Pigtail Length	500 mm | 19.685 in
Outer Diameter	220 mm | 8.661 in

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Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 – 2700 MHz | 698 – 960 MHz
Electrical Note	Values typical, unless otherwise stated

Electrical Specifications

Frequency Band, MHz	**698–800**	**800–960**	**1710–2200**	**2200–2700**
Gain, dBi	1.9	2	3.4	3.7
Beamwidth, Horizontal, degrees	360	360	360	360
Isolation, Cross Polarization, dB	27	27	30	30
VSWR | Return loss, dB	1.8 | 10.9	1.8 | 10.9	1.7 | 11.7	1.7 | 11.7
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150
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	230 mm | 9.055 in
Width, packed	230 mm | 9.055 in
Length, packed	230 mm | 9.055 in
Weight, gross	1 kg | 2.205 lb
Weight, net	0.8 kg | 1.764 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