

CMAX-OMF2-CPUSEI53



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

OBSOLETE

This product was discontinued on: July 31, 2021

Replaced By:

CMAX-OMF2-43-I53 Cell-Max™ Low PIM Omni MIMO In-building Antenna, 698–960 MHz and 1710–2700 MHz

Product Classification

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

General Specifications

Application Indoor/Outdoor
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 N Female

Dimensions

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

CMAX-OMF2-CPUSEI53

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 – 2700 MHz 698 – 960 MHz

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

