

Low PIM Directional In-building Antenna, 617–960 MHz, 1695–2700, 3300-3800 and 4900-6000MHz

This product will be discontinued on: July 30, 2022

Replaced By:

CMAX-D-43-UW-I53 Low PIM Directional In-building Antenna, 617-960 MHz, 1695-2700, 3300-3800 and 4900-6000MHz

Product Classification

Product Type In-building antenna

General Specifications

Application Indoor

Antenna Type Directional

Antenna Array Characteristic SISO

Polarization Vertical

Color Light Gray (RAL 7035)

Mounting 4-hole wall mounting plate and hardware (included)

Number of Ports 1

Pigtail Cable 670-141SXE, plenum rated

Radome Material PVC

RF Connector Interface N Female

Dimensions

 Width
 296 mm | 11.654 in

 Depth
 126 mm | 4.961 in

 Length
 301 mm | 11.85 in

 Pigtail Length
 420 mm | 16.535 in

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CMAX-D-UW-I53

Electrical Specifications

Electrical Note Values typical, unless otherwise stated

Impedance 50 ohm

Operating Frequency Band 1695 – 2700 MHz | 3300 – 3800 MHz | 5150 – 5950 MHz | 617 – 698 MHz | 698 –

960 MHz

Electrical Specifications

Frequency Band, MHz	617-698	698-960	1710-2700	3300-3800	4900-6000
Gain, dBi	5.8	5.8	7.2	6.5	4.8
Beamwidth, Horizontal, degrees	90	86	58	60	68
Beamwidth, Vertical, degrees	85	80	60	57	50
VSWR Return loss, dB	1.8 10.9	1.8 10.9	1.8 10.9	1.7 11.7	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	50

Environmental Specifications

Operating Temperature $-40 \, ^{\circ}\text{C} \text{ to } +60 \, ^{\circ}\text{C} \, (-40 \, ^{\circ}\text{F to } +140 \, ^{\circ}\text{F})$

Relative Humidity Up to 100%

Packaging and Weights

 Width, packed
 320 mm | 12.598 in

 Depth, packed
 205 mm | 8.071 in

 Length, packed
 430 mm | 16.929 in

 Net Weight, with mounting kit
 2.7 kg | 5.952 lb

Packaging quantity 1

 Weight, gross
 3.7 kg | 8.157 lb

 Weight, net
 2.4 kg | 5.291 lb

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system



