

CMAX-DMF-43-UW-I53-01



Low PIM Directional MIMO In-Building Antenna, 4G/5G/C-Band, 617–960 MHz, 1695–2700 MHz, 3300–4200MHz and 4800–6000MHz 4.3-10

Product Classification

Product Type In-building antenna

General Specifications

Application Indoor

Antenna Type Directional

Antenna Array Characteristic MIMO 2x2

Polarization ±45°

Color White (RAL 9016)

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 119 mm | 4.685 in

Width 310 mm | 12.205 in

Length 450 mm | 17.717 in

Pigtail Length 450 mm | 17.717 in

Electrical Specifications

Impedance 50 ohm

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

Electrical Note Values typical, unless otherwise stated

Electrical Specifications

CMAx-DMF-43-UW-I53-01

Frequency Band, MHz	617–698	698–960	1695–2200	2200–2700	3300–4200	4800–6000
Gain, dBi	7.2	7.5	6.3	6.9	7.1	7.7
Beamwidth, Horizontal, degrees	73	71	79	66	69	54
Beamwidth, Vertical, degrees	75	66	74	72	67	51
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	13	17	13	17	14	12
Isolation, Cross Polarization, dB	20	20	20	20	20	20
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	100	100	100	100	100	100

VSWR/Return Loss

Frequency Band	VSWR, Maximum	Return Loss, Maximum (dB)	VSWR, Mean	Return Loss, Mean (dB)
617–698 MHz	1.798	10.9	1.499	14
698–960 MHz	1.798	10.9	1.499	14
1695–2700 MHz	1.798	10.9	1.499	14
3300–4200 MHz	1.798	10.9	1.499	14
4800–6000 MHz	1.703	11.7	1.499	14

Environmental Specifications

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

Packaging and Weights

Height, packed	195 mm 7.677 in
Width, packed	310 mm 12.205 in
Length, packed	675 mm 26.575 in
Included	Mounting bracket
Weight, gross	5.5 kg 12.125 lb
Weight, net	4.5 kg 9.921 lb