

CMAX-DMF4-43-WI53-0



Low PIM Directional 4x4 MIMO Outdoor Antenna, 698–960 MHz, 1695–2700 MHz and 3300-4200MHz

Product Classification

Product Type Indoor/outdoor antenna

General Specifications

Application Indoor/Outdoor

Antenna Type Directional

Antenna Array Characteristic MIMO 4x4

Polarization ±45°

Color White (RAL 9016)

Mounting Wall/Pole Mount, mounting kit included

Mounting Note Pole mounting: 35 to 60 mm, azimuth and elevation adjustable

Number of Ports 4

Radome Material ASA+PC, UV resistant

RF Connector Interface 4.3-10 Female

Dimensions

Width 322 mm | 12.677 in

Depth 115 mm | 4.528 in

Length 461 mm | 18.15 in

Electrical Specifications

Impedance 50 ohm

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

Electrical Note Values typical, unless otherwise stated

Electrical Specifications

Frequency Band, MHz	698–800	800–960	1695–2200	2200–2700	3300–4200
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Gain, dBi	7	7.5	7.5	9	8.3
Beamwidth, Horizontal, degrees	75	68	70	61	60
Beamwidth, Vertical, degrees	66	66	64	60	59
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	17	17	18	18	17
Isolation, Cross Polarization, dB	18	18	18	18	18
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	100	100	100	100	100

VSWR/Return Loss

Frequency Band	VSWR, Maximum	Return Loss, Maximum (dB)	VSWR, Mean	Return Loss, Mean (dB)
698–800 MHz	1.7	11.73	1.6	12.74
800–960 MHz	1.7	11.73	1.5	13.98
1695–2200 MHz	1.7	11.73	1.5	13.98
2200–2700 MHz	1.7	11.73	1.5	13.98
3300–4200 MHz	1.7	11.73	1.5	13.98

Mechanical Specifications

Wind Loading @ Velocity, maximum	473.0 N @ 241 km/h (106.3 lbf @ 150 mph)
Wind Speed, maximum	241 km/h (150 mph)

Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP65

Packaging and Weights

Height, packed	195 mm 7.677 in
Width, packed	395 mm 15.551 in
Length, packed	650 mm 25.591 in
Included	Mounting bracket
Net Weight, with mounting kit	5.4 kg 11.905 lb
Packaging quantity	1

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Weight, gross	6.6 kg 14.55 lb
Weight, net	5.6 kg 12.346 lb