

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)
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
Gain, dBi	7	7.5	7.5	9	8.3
Beamwidth, Horizontal, degrees	75	68	70	61	60

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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

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