

CMAX-DMF-43-WI53



Low PIM Directional MIMO In-Building Antenna, 698–960 MHz, 1695–2700 MHz and 3300–4200MHz

Product Classification

Product Type In-building antenna

General Specifications

Application Indoor
Antenna Type Directional
Antenna Array Characteristic MIMO 2x2
Polarization $\pm 45^\circ$
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

Width 199 mm | 7.835 in
Depth 80 mm | 3.15 in
Length 303 mm | 11.929 in
Pigtail Length 450 mm | 17.717 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	7.1	7.6	8.4	9	8

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Beamwidth, Horizontal, degrees	77	77	70	60	54
Beamwidth, Vertical, degrees	71	68	62	56	64
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	15	20	15	17	17
Isolation, Cross Polarization, dB	18	20	25	25	25
VSWR Return loss, dB	1.7 11.7	1.7 11.7	1.7 11.7	1.7 11.7	1.7 11.7
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	100	100	100	100	100

Environmental Specifications

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

Packaging and Weights

Width, packed	210 mm 8.268 in
Depth, packed	105 mm 4.134 in
Length, packed	350 mm 13.78 in
Included	Mounting bracket
Weight, gross	1.4 kg 3.086 lb
Weight, net	1.1 kg 2.425 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

