

CMAX-DMF-WI53



Low PIM Directional MIMO In-Building Antenna, 698–960 MHz, 1695–2700 MHz and 3300–4000MHz

Product Classification

Product Type In-building antenna

General Specifications

Antenna Type Directional
Antenna Array Characteristic MIMO 2x2
Polarization $\pm 45^\circ$
Application Indoor
Color White
Number of Ports, all types 2
Pigtail Cable 670-141SXE, plenum rated
Radome Material ASA+PC, UV stabilized
RF Connector Interface N Female

Dimensions

Width 199 mm | 7.835 in
Length 303 mm | 11.929 in
Pigtail Length 450 mm | 17.717 in
Depth 80 mm | 3.15 in

Electrical Specifications

Impedance 50 ohm
Operating Frequency Band 1695 – 2700 MHz | 3300 – 4000 MHz | 698 – 960 MHz

Electrical Specifications

Frequency Band, MHz	698–800	800–960	1695–2200	2200–2700	3300–4000
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Gain, dBi	7.1	7.6	8.4	9	8
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	205 mm 8.071 in
Depth, packed	100 mm 3.937 in
Length, packed	345 mm 13.583 in
Included	Mounting bracket
Weight, gross	1.4 kg 3.086 lb
Weight, net	1.1 kg 2.425 lb