

CMAX-DMF-43-WI53



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

OBSOLETE

This product was discontinued on: December 31, 2023

Replaced By:

CMAX-DMF2-43-WI53 Low PIM Directional MIMO Antenna 4G/5G/C-Band, 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

CMAX-DMF-43-WI53

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
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

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