

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 Indoor/outdoor antenna

General Specifications

Application Indoor/Outdoor

Antenna Type Directional

Antenna Array Characteristic MIMO 2x2

Polarization ±45°

Color Light Gray (RAL 7035)

Number of Ports 2

Radome Material PVC, UV resistant

RF Connector Interface 4.3-10 Female

Dimensions

Width 287 mm | 11.299 in

Depth 132 mm | 5.197 in

Length 380 mm | 14.961 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	698–960	1695–2200	2200–2700	3300–4200
Gain, dBi	7.9	8.8	8.9	8.5
Beamwidth, Horizontal, degrees	77	67	57	54

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Beamwidth, Vertical, degrees	60	53	59	54
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	12	17	20	16
Isolation, Cross Polarization, dB	20	25	25	25
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153
Input Power per Port, maximum, watts	100	100	100	100

VSWR/Return Loss

Frequency Band	VSWR, Maximum	Return Loss, Maximum (dB)	VSWR, Mean	Return Loss, Mean (dB)
698–960 MHz	1.703	11.7	1.499	14
1695–2200 MHz	1.703	11.7	1.499	14
2200–2700 MHz	1.703	11.7	1.499	14
3300–4200 MHz	1.725	11.5	1.499	14

Mechanical Specifications

Wind Loading @ Velocity, maximum 345.0 N @ 241 km/h (77.6 lbf @ 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

Width, packed	340 mm 13.386 in
Depth, packed	210 mm 8.268 in
Length, packed	590 mm 23.228 in
Included	Mounting bracket
Weight, gross	3.5 kg 7.716 lb
Weight, net	2.5 kg 5.512 lb