

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 $\pm 45^\circ$
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