

CMAX-LHM2-60-153



Low PIM Directional High Capacity Venue MIMO Antenna 4G/5G/C-Band, 617–960 MHz 1695–2700 MHz and 3300–4200MHz 60-Deg, 4.3-10, (2 PORTS 617-4200MHz)

Product Classification

Product Type Over-the-head stadium 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

Height 116 mm | 4.567 in
Width 330 mm | 12.992 in
Length 450 mm | 17.717 in

Electrical Specifications

Impedance 50 ohm
Lightning Protection dc Ground
Operating Frequency Band 1695 – 2700 MHz | 3300 – 4200 MHz | 617 – 960 MHz
Electrical Note All values typical, unless otherwise stated

Electrical Specifications

Frequency Band, MHz	617–960	1695–2700	3300–4200
Gain, dBi	8	7.3	7.8

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Beamwidth, Horizontal, degrees	71	74	65
Beamwidth, Vertical, degrees	66	78	62
Front-to-Back Total Power at 180° ± 30°, dB	18	17	16
CPR at Boresight, dB	12	12	12
Isolation, Cross Polarization, dB	20	20	20
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153
Input Power per Port, maximum, watts	200	200	200

VSWR/Return Loss

Frequency Band	VSWR, Maximum	Return Loss, Maximum (dB)	VSWR, Mean	Return Loss, Mean (dB)
617–960 MHz	1.725	11.5	1.499	14
1695–2700 MHz	1.703	11.7	1.499	14
3300–4200 MHz	1.703	11.7	1.499	14

Mechanical Specifications

Wind Loading @ Velocity, maximum	473.0 N @ 241 km/h (106.3 lbf @ 150 mph)
Wind Speed, maximum	241.4 km/h (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
Vibration Test Method	ASTM D4169 IEC 60068-2-6

Packaging and Weights

Height, packed	225 mm 8.858 in
Width, packed	350 mm 13.78 in
Length, packed	690 mm 27.165 in
Included	Mounting bracket
Net Weight, with mounting kit	8 kg 17.637 lb
Packaging quantity	1
Weight, gross	8.2 kg 18.078 lb
Weight, net	4.2 kg 9.259 lb