

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
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153
Input Power per Port, maximum, watts	200	200	200

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