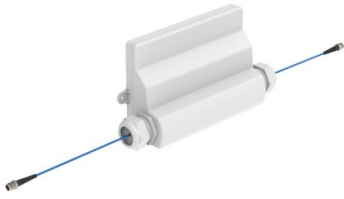


CMAX-OMUW-225-153-0



Low PIM Directional High Capacity Venue Under the Seat Outdoor Antenna (2x2 MIMO), 617-806, 890-960, 1695-2700, 3300-4200 MHz, 5150-5925 MHz

Product Classification

Product Type Under-the-seat stadium antenna

General Specifications

Application Outdoor

Antenna Type Directional

Antenna Array Characteristic MIMO 2x2

Polarization $\pm 45^\circ$

Color Light Gray (RAL 7035)

Mounting Note Stated dimensions do not include conduit fittings

Number of Ports 2

Pigtail Cable 670-141SXE, plenum rated

Radome Material ASA+PC, UV stabilized

RF Connector Interface 2.2-5 Female

Dimensions

Height 203 mm | 7.992 in

Depth 66 mm | 2.598 in

Length 300 mm | 11.811 in

Length Note The pigtails are 400 and 500 mm in length

Electrical Specifications

Impedance 50 ohm

Lightning Protection dc Ground

Operating Frequency Band 1695 – 2700 MHz | 3300 – 4200 MHz | 5150 – 5925 MHz | 617 – 806 MHz | 890 – 960 MHz

Electrical Note Values typical, unless otherwise stated

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Electrical Specifications

Frequency Band, MHz	617–806	890–960	1695–2700	3300–4200	5150–5925
Gain, dBi	4.7	4.5	4.1	5.6	4.3
Beamwidth, Horizontal, degrees	360	360	360	360	360
Isolation, Inter-band, dB	12	20	20	20	25
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	20	20	20	20	20

VSWR/Return Loss

Frequency Band	VSWR, Maximum	Return Loss, Maximum (dB)	VSWR, Mean	Return Loss, Mean (dB)
617–960 MHz	1.703	11.7	1.5	13.98
1695–2700 MHz	1.703	11.7	1.5	13.98
3300–4200 MHz	1.703	11.7	1.5	13.98
5150–5925 MHz	1.703	11.7	1.5	13.98

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, IP66
Vibration Test Method	ASTM D4169 IEC 60068-2-6

Packaging and Weights

Packaging quantity	1
Weight, gross	1.5 kg 3.307 lb
Weight, net	1.2 kg 2.646 lb