

CMAX-3030S1-D-V53



Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, (2x 617–960 MHz, 1695–2700 MHz) and 2x 3300–4200 MHz, 30-Deg,

OBSOLETE

This product was discontinued on: July 31, 2021

Replaced By:

CMAX-3030S1-43-V53 Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, (2x 617–960 MHz, 1695–2700 MHz) and 2x 3300–4200 MHz, 30-Deg,

Product Classification

Product Type	Over-the-head stadium antenna
Product Brand	Cell-Max™

General Specifications

Application	Indoor/Outdoor
Antenna Type	Directional
Antenna Array Characteristic	MIMO 2x2
Polarization	±45°
Color	White (RAL 9016)
Number of Ports	4
Radome Material	Fiberglass, UV resistant
RF Connector Interface	7-16 DIN Female

Dimensions

Width	760 mm 29.921 in
Depth	120 mm 4.724 in
Length	760 mm 29.921 in

Electrical Specifications

Impedance	50 ohm
Lightning Protection	dc Ground

CMAX-3030S1-D-V53

Operating Frequency Band

1710 – 2700 MHz | 3300 – 4200 MHz | 617 – 698 MHz | 698 – 960 MHz

Electrical Specifications

Frequency Band, MHz	617–698	698–800	800–960	1695–1880	1850–1990	1920–2180	2200–2700	2300–2360	3300–4200
Gain, dBi	12	13.1	14	12.4	13.2	13.6	15	14.6	14.7
Beamwidth, Horizontal, degrees	44	38	33	39	37	35	30	31	29
Beamwidth, Vertical, degrees	40	38	32	39	37	35	29	31	30
Horizontal Sidelobe, dB	17	17	17	17	17	17	17	17	15
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	25	28	30	30	30	30	30	30	28
Isolation, Cross Polarization, dB	28	28	30	28	28	28	28	28	28
VSWR Return loss, dB	1.7 11.7	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	200	200	200	200	200	200	200	200	200

Mechanical Specifications

Wind Loading @ Velocity, maximum 2,128.0 N @ 216 km/h (478.4 lbf @ 216 km/h)

Wind Speed, maximum 216 km/h | 134.216 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

Width, packed 805 mm | 31.693 in

Depth, packed 218 mm | 8.583 in

Length, packed 1012 mm | 39.843 in

Included Mounting bracket

Net Weight, with mounting kit 18.3 kg | 40.345 lb

CMAX-3030S1-D-V53

Packaging quantity	1
Weight, gross	23.5 kg 51.809 lb
Weight, net	12.7 kg 27.999 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

