CMAX-3030S-43-V53



Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 30-Deg,

OBSOLETE

This product was discontinued on: January 31, 2020

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 Brand	Cell-Max™

General Specifications

Application	Indoor/Outdoor
Antenna Type	Directional
Antenna Array Characteristic	MIMO 2x2
Polarization	±45°
Color	White
Number of Ports	2
Radome Material	Fiberglass, UV resistant
RF Connector Interface	4.3-10 Female

Dimensions

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

Electrical Specifications

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Impedance	50 ohm
Lightning Protection	dc Ground

Electrical Specifications

Frequency Band, MHz	**698–800**	**800–960**	**1695–1880**	**1850–1990**	**1920–2180**	**2200–2700**	**2300–2360**
Gain, dBi	13.1	13.9	12.4	13	13.2	14.4	14.3
Beamwidth, Horizontal, degrees	39	35	39	36	35	29	30
Beamwidth, Vertical, degrees	38	33	38	35	34	29	29
Horizontal Sidelobe, dB	17	17	17	17	17	17	17
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	28	30	30	30	30	30	30
Isolation, Cross Polarization, dB	30	30	30	30	30	30	30
VSWR | Return loss, dB	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
Input Power per Port, maximum, watts	200	200	200	200	200	200	200

Mechanical Specifications

Wind Loading at 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 kg | 39.683 lb
Packaging quantity	1

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Weight, gross	22 kg | 48.502 lb
Weight, net	12 kg | 26.455 lb

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