Cell-Max™ Directional In-building Antenna, 698–960 MHz, 1710–2700 MHz, 4.3-10

Product Classification

Product Type	In-building antenna
Product Brand	Cell-Max™

General Specifications

Application	Indoor
Antenna Type	Directional
Antenna Array Characteristic	SISO
Polarization	Vertical
Color	White (RAL 9016)
Mounting	4-hole wall mounting plate and hardware (included)
Number of Ports	1
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ABS
RF Connector Interface	4.3-10 Female

Dimensions

Width	180 mm | 7.087 in
Depth	44 mm | 1.732 in
Length	210 mm | 8.268 in

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| **Pigtail Length** | 500 mm | 19.685 in |

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CELLMAX-D-431

Outline Drawing
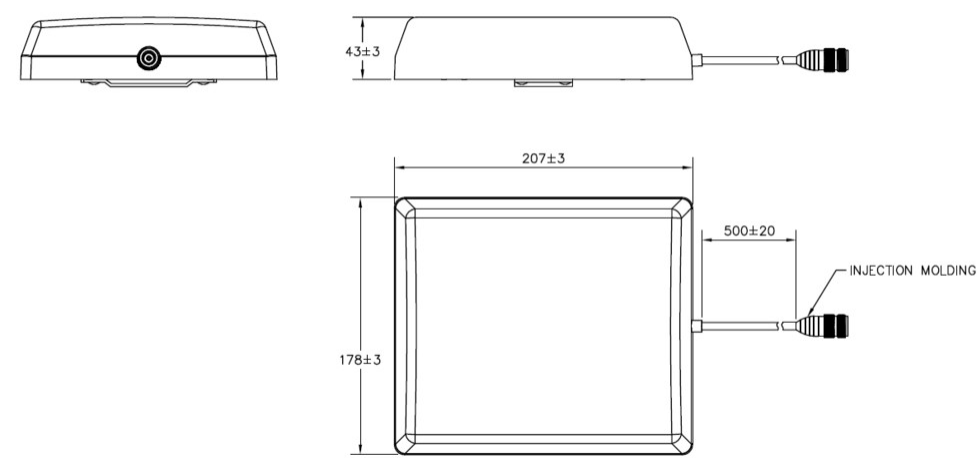
Electrical Specifications

Electrical Note	Values typical, unless otherwise stated
Impedance	50 ohm
Operating Frequency Band	1710 − 2700 MHz	698 − 960 MHz

Electrical Specifications

Frequency Band, MHz	698–800	800–960	1710–2170	2200–2700
Gain, dBi	5.1	5.8	8.7	6.9
Beamwidth, Horizontal, degrees	128	94	60	54
Beamwidth, Vertical, degrees	85	82	57	38
**VSWR	Return loss, dB**	1.7	11.7	1.5	14.0	1.5	14.0	1.5	14.0
PIM, 3rd Order, 2 x 20 W, dBc	-140	-140	-140	-140
Input Power per Port, maximum, watts	50	50	50	50

Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%

Packaging and Weights

Width, packed	190 mm	7.48 in

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Depth, packed	55 mm	2.165 in
Length, packed	250 mm	9.843 in
Packaging quantity	1
Weight, gross	0.8 kg	1.764 lb
Weight, net	0.6 kg	1.323 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

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