

CMAX-D-CPUSEV53



Low PIM Directional In-building Antenna, 698–960 MHz, 1710–2700 MHz

Product Classification

Product Type In-building antenna

General Specifications

Application Indoor

Antenna Type Directional

Antenna Array Characteristic SISO

Polarization Vertical

Color White

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 N Female

Dimensions

Width 180 mm | 7.087 in

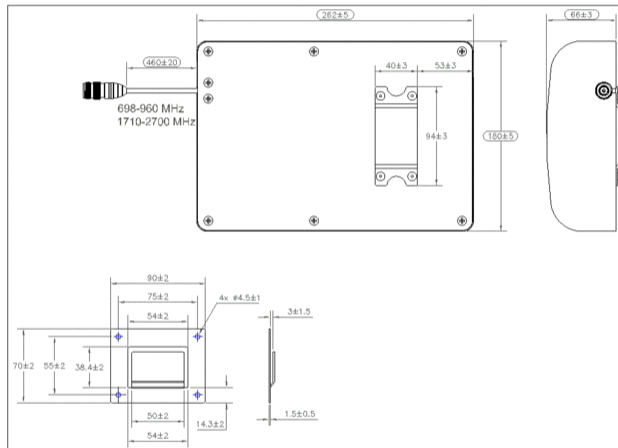
Length 262 mm | 10.315 in

Pigtail Length 420 mm | 16.535 in

Depth 62 mm | 2.441 in

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Outline Drawing



Electrical Specifications

Electrical Note	PIM specifications are less than or equal to the stated value
Impedance	50 ohm
Operating Frequency Band	1710 – 2700 MHz 698 – 960 MHz

Electrical Specifications

Frequency Band, MHz	698–800	800–960	1695–1880	1850–1990	1920–2180	2200–2700	2300–2360
Gain, dBi	5.5	6.2	7.3	7.3	7.4	7.6	7.9
Beamwidth, Horizontal, degrees	98	90	73	76	76	76	73
Beamwidth, Vertical, degrees	76	60	60	60	60	57	58

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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	50	50	50	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 185 mm | 7.283 in

Depth, packed 85 mm | 3.346 in

Length, packed 320 mm | 12.598 in

Packaging quantity 1

Weight, gross 1 kg | 2.205 lb

Weight, net 0.9 kg | 1.984 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

