

CMAX-DMF-CPUSEV53



Low PIM Directional MIMO In-Building Antenna, 698–960 MHz and 1710–2700 MHz

OBSOLETE

This product was discontinued on: September 30, 2020

Replaced By:

CMAX-DMF-WI53

Low PIM Directional MIMO In-Building Antenna, 698–960 MHz, 1695–2700 MHz and 3300-4000MHz

Product Classification

Product Type In-building antenna

General Specifications

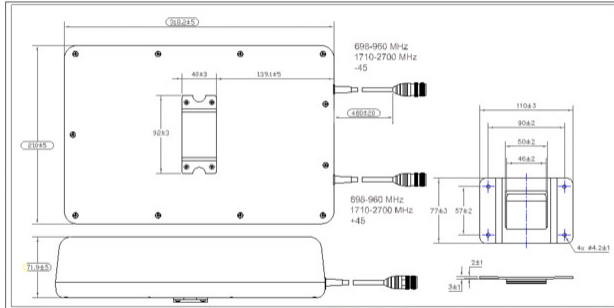
Application	Indoor
Antenna Type	Directional
Antenna Array Characteristic	MIMO 2x2
Polarization	±45°
Color	White (RAL 9016)
Number of Ports	2
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ABS
RF Connector Interface	N Female

Dimensions

Width	210 mm 8.268 in
Depth	72 mm 2.835 in
Length	318 mm 12.52 in
Pigtail Length	450 mm 17.717 in

CMAX-DMF-CPUSEV53

Outline Drawing



Electrical Specifications

Impedance 50 ohm

Electrical Specifications

Frequency Band, MHz	698-800	800-960	1710-2180	1850-1990	1920-2180	2200-2700	2300-2360
Gain, dBi	7	7.3	8.1	8.1	8.1	7.6	8
Beamwidth, Horizontal, degrees	75	73	74	70	73	65	64
Beamwidth, Vertical, degrees	73	64	58	60	56	70	70
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	20	17	20	20	20	20	20
Isolation, Cross Polarization, dB	20	20	24	24	24	24	24
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	100	100	100	100	100	100	100

Environmental Specifications

Operating Temperature -40 °C to +60 °C (-40 °F to +140 °F)

Relative Humidity Up to 100%

Packaging and Weights

CMAX-DMF-CPUSEV53

Width, packed	225 mm 8.858 in
Depth, packed	90 mm 3.543 in
Length, packed	405 mm 15.945 in
Included	Mounting bracket
Weight, gross	1.3 kg 2.866 lb
Weight, net	1 kg 2.205 lb

Regulatory Compliance/Certifications

Agency

CHINA-ROHS
REACH-SVHC
ROHS

Classification

Below maximum concentration value
Compliant as per SVHC revision on www.commscope.com/ProductCompliance
Compliant

