

CMAX-DMF-CPUSEI53

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

OBSOLETE

This product was discontinued on: July 15, 2016

Replaced By:

CMAX-DMF-CPUSEV53	Low PIM Directional MIMO In-Building Antenna, 698–960 MHz and 1710–2700 MHz
CMAX-RMIMO-CPUSEW	Railway vehicle MIMO Antenna, 698–6000MHz

Product Classification

Product Type In-building antenna

General Specifications

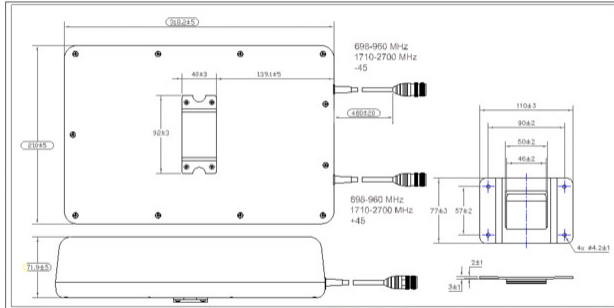
Application	Indoor
Antenna Type	Directional
Polarization	±45°
Color	White
Number of Ports	2
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ABS, UV resistant
RF Connector Interface	N Female

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

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Outline Drawing



Electrical Specifications

Impedance 50 ohm

Electrical Specifications

Frequency Band, MHz	698–800	800–960	1710–2200	2200–2700
Gain, dBi	6.4	7.2	7.8	7.6
Beamwidth, Horizontal, degrees	75	68	74	67
Beamwidth, Vertical, degrees	78	62	62	69
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	15	19	22	25
Isolation, Cross Polarization, dB	22	22	22	22
VSWR Return loss, dB	1.7 11.7	1.7 11.7	1.7 11.7	1.7 11.7
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153
Input Power per Port, maximum, watts	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

Width, packed 225 mm | 8.858 in

Depth, packed 90 mm | 3.543 in

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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