

# CMAX-DMF-CPUSEV53



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

## Electrical Specifications

Frequency Band, MHz	698–800	800–960	1710–2180	1850–1990	1920–2180	2200–2700	2300–2360
Gain, dBi	7.0	7.3	8.1	8.1	8.1	7.6	8.0
Beamwidth, Horizontal, degrees	75	73	74	70	73	65	64
Beamwidth, Vertical, degrees	73.0	64.0	58.0	60.0	56.0	70.0	70.0
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
Polarization	±45°	±45°	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

## Product Classification

**Product Type** In-building antenna

## General Specifications

**Antenna Type** Directional  
**Application** Indoor  
**Includes** Mounting bracket  
**Number of Ports, all types** 2  
**Pigtail Cable** 670-141SXE, plenum rated

## Mechanical Specifications

**Color** White  
**Pigtail Length** 450.0 mm | 17.7 in  
**Radome Material** ABS  
**RF Connector Interface** N Female

## Environmental Specifications

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

## Dimensions

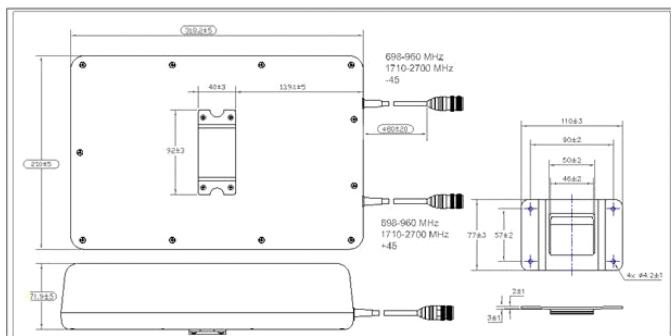
**Depth** 72.0 mm | 2.8 in  
**Length** 318.0 mm | 12.5 in  
**Width** 210.0 mm | 8.3 in  
**Net Weight** 1.0 kg | 2.2 lb

## Packed Dimensions

**Depth** 90.0 mm | 3.5 in  
**Length** 405.0 mm | 15.9 in  
**Width** 225.0 mm | 8.9 in  
**Shipping Weight** 1.3 kg | 2.8 lb

# CMAX-DMF-CPUSEV53

## Outline Drawing



## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

### Classification

