

# CMAX-DMF-43-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**  $\pm 45^\circ$   
**Color** White (RAL 9016)  
**Number of Ports** 2  
**Pigtail Cable** 670-141SXE, plenum rated  
**Radome Material** ASA+PC, UV stabilized  
**RF Connector Interface** 4.3-10 Female

## Dimensions

**Width** 199 mm | 7.835 in  
**Depth** 80 mm | 3.15 in  
**Length** 303 mm | 11.929 in  
**Pigtail Length** 450 mm | 17.717 in

## Electrical Specifications

**Electrical Note** Values typical, unless otherwise stated  
**Impedance** 50 ohm  
**Operating Frequency Band** 1695 – 2700 MHz | 3300 – 4000 MHz | 698 – 960 MHz

# CMAX-DMF-43-WI53

## Electrical Specifications

Frequency Band, MHz	698–800	800–960	1695–2200	2200–2700	3300–4000
Gain, dBi	7.1	7.6	8.4	9	8
Beamwidth, Horizontal, degrees	77	77	70	60	54
Beamwidth, Vertical, degrees	71	68	62	56	64
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	15	20	15	17	17
Isolation, Cross Polarization, dB	18	20	25	25	25
VSWR   Return loss, dB	1.7 11.7	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	-153
Input Power per Port, maximum, watts	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

Width, packed	210 mm   8.268 in
Depth, packed	105 mm   4.134 in
Length, packed	350 mm   13.78 in
Included	Mounting bracket
Weight, gross	1.4 kg   3.086 lb
Weight, net	1.1 kg   2.425 lb

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

