

CMAX-DMF-43-V53



Low PIM Directional MIMO In-Building Antenna, 698–960 MHz and 1710–2700 MHz, 4.3-10

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 4.3-10 Female

Environmental Specifications

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

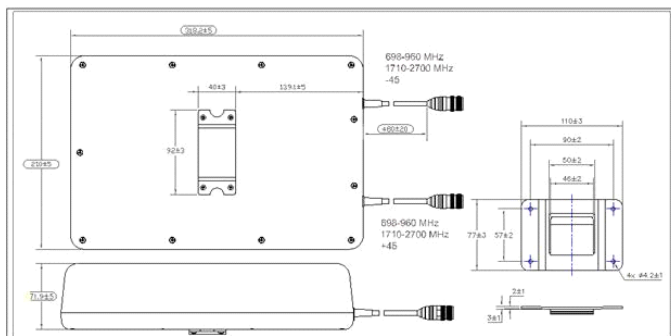
Dimensions

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

Outline Drawing



Regulatory Compliance/Certifications

Agency
RoHS 2011/65/EU

Classification

