CMAX-DMF-43-UW-I53



Low PIM Directional MIMO In-Building Antenna, 617–960 MHz, 1695–2700 MHz, 3300-4200MHz, and 4800-6000MHz 4.3-10, (2 PORTS 617-960 and 1695-2700MHz, 2 PORTS 3300-4200 and 4800-6000MHz)

Product Classification

Product Type In-building antenna

General Specifications

ApplicationIndoorAntenna TypeDirectionalAntenna Array CharacteristicMIMO 2x2

Polarization ±45°

Color White (RAL 9016)

Number of Ports 4

Pigtail Cable670-141SXE, plenum ratedRadome MaterialASA+PC, UV stabilized

RF Connector Interface 4.3-10 Female

Dimensions

 Height
 120 mm
 | 4.724 in

 Width
 310 mm
 | 12.205 in

 Length
 450 mm
 | 17.717 in

 Pigtail Length
 450 mm
 | 17.717 in

Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 1695 – 2700 MHz | 3300 – 4000 MHz | 4800 – 6000 MHz | 617 – 698 MHz | 698 –

960 MHz

Electrical Note Values typical, unless otherwise stated

Electrical Specifications

Frequency Band, MHz 617-698 698-960 1695-2200 2200-2700 3300-4200 4800-6000

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| Gain, dBi | 7.7 | 7.9 | 8.8 | 9 | 8 | 8.2 |
|---|------------|------------|------------|------------|------------|------------|
| Beamwidth, Horizontal, degrees | 75 | 73 | 62 | 64 | 64 | 62 |
| Beamwidth, Vertical, degrees | 72 | 66 | 57 | 64 | 65 | 61 |
| Front-to-Back Ratio, Copolarization 180° ± 30°, dB | 17 | 17 | 20 | 15 | 17 | 17 |
| Isolation, Cross Polarization, dB | 20 | 20 | 25 | 25 | 20 | 22 |
| VSWR Return loss, dB | 1.7 11.7 | 1.6 12.7 | 1.5 14.0 | 1.5 14.0 | 1.7 11.7 | 1.7 11.7 |
| PIM, 3rd Order, 2 x 20 W, dBc | -153 | -153 | -153 | -153 | -153 | -153 |
| Input Power per Port, maximum, watts | 100 | 100 | 100 | 100 | 100 | 100 |

Environmental Specifications

Operating Temperature $-40 \,^{\circ}\text{C}$ to $+60 \,^{\circ}\text{C}$ ($-40 \,^{\circ}\text{F}$ to $+140 \,^{\circ}\text{F}$)

Relative Humidity Up to 100%

Packaging and Weights

 Height, packed
 190 mm | 7.48 in

 Width, packed
 340 mm | 13.386 in

 Length, packed
 645 mm | 25.394 in

 Included
 Mounting bracket

 Weight, gross
 4.6 kg | 10.141 lb

 Weight, net
 3.1 kg | 6.834 lb

Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Below maximum concentration value

ROHS Compliant UK-ROHS Compliant



