

CMAX-DM60-CPUSEI53

Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 60°, 8.0 dBi

OBSOLETE

This product was discontinued on: April 15, 2018

Replaced By:

CMAX-DM60-CPUSEV53 Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 60°, 8.0 dBi

Product Classification

Product Type Indoor/outdoor antenna
Product Brand Cell-Max™

General Specifications

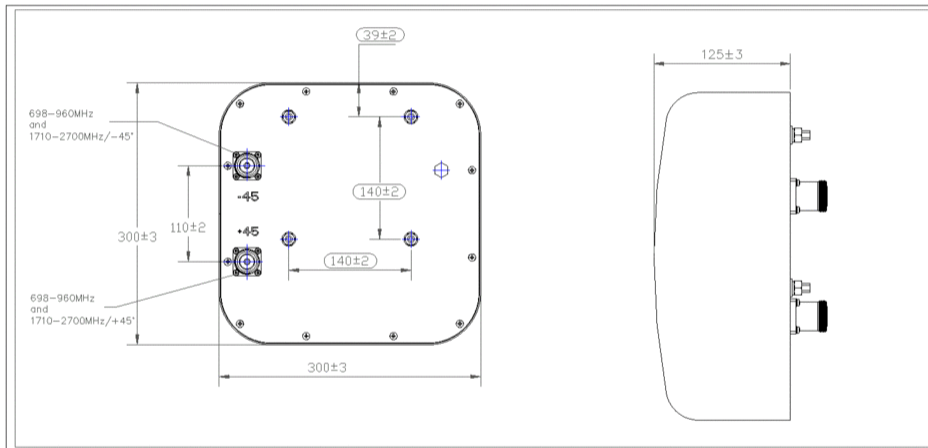
Application Indoor/Outdoor
Antenna Type Directional
Polarization ±45°
Color White
Number of Ports 2
Radome Material ABS, UV resistant
RF Connector Interface 7-16 DIN Female

Dimensions

Width 299.7 mm | 11.799 in
Length 7,612.4 mm | 299.701 in
Depth 124.5 mm | 4.902 in

CMAX-DM60-CPUSEI53

Outline Drawing



Electrical Specifications

| | |
|-----------------------------|-----------|
| Impedance | 50 ohm |
| Lightning Protection | dc Ground |

Electrical Specifications

| Frequency Band, MHz | 698-800 | 800-960 | 1695-1880 | 1850-1990 | 1920-2180 | 2200-2700 | 2300-2360 |
|---------------------------------------|---------|---------|-----------|-----------|-----------|-----------|-----------|
| Gain, dBi | 8.5 | 9.2 | 9.3 | 9.6 | 9.8 | 9.2 | 8.9 |
| Beamwidth, Horizontal, degrees | 62 | 59 | 55 | 52 | 55 | 62 | 70 |
| Beamwidth, Vertical, degrees | 62 | 58 | 55 | 54 | 55 | 59 | 65 |
| Front-to-Back Total Power at | 26 | 26 | 27 | 28 | 29 | 27 | 29 |

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180° ± 30°, dB

| | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|
| CPR at Boresight, dB | 24 | 24 | 20 | 20 | 20 | 20 | 20 |
| Isolation, Cross Polarization, dB | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| VSWR Return loss, dB | 1.9 10.1 | 1.9 10.1 | 1.8 10.9 | 1.8 10.9 | 1.8 10.9 | 1.8 10.9 | 1.8 10.9 |
| PIM, 3rd Order, 2 x 20 W, dBc | -153 | -153 | -153 | -153 | -153 | -153 | -153 |
| Input Power per Port, maximum, watts | 200 | 200 | 200 | 200 | 200 | 200 | 200 |

Mechanical Specifications

| | |
|--|--|
| Wind Loading at Velocity, maximum | 294.0 N @ 216 km/h 66.1 lbf @ 216 km/h |
| Wind Speed, maximum | 216 km/h 134.216 mph |

Environmental Specifications

| | |
|---------------------------------------|--------------------------------------|
| Operating Temperature | -40 °C to +60 °C (-40 °F to +140 °F) |
| Relative Humidity | Up to 100% |
| Ingress Protection Test Method | IEC 60529:2001, IP65 |
| Vibration Test Method | ASTM D4169 IEC 60068-2-6 |

Packaging and Weights

| | |
|---------------------------|--------------------|
| Width, packed | 350 mm 13.78 in |
| Depth, packed | 230 mm 9.055 in |
| Length, packed | 520 mm 20.472 in |
| Included | Mounting bracket |
| Packaging quantity | 1 |
| Weight, gross | 7.3 kg 16.094 lb |
| Weight, net | 2.9 kg 6.393 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |

