



## CMAX-DM60-CPUSEi

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

### **OBSOLETE**

**This product was discontinued on: October 31, 2015**

#### **Replaced By**

CMAX-DM60-CPUSEi53 Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 60°, 8.0 dBi

## Electrical Specifications

| Frequency Band, MHz                  | 698–960    | 1710–2200  | 2200–2700  |
|--------------------------------------|------------|------------|------------|
| Gain, dBi                            | 8.0        | 8.0        | 8.0        |
| Beamwidth, Horizontal, degrees       | 60         | 58         | 60         |
| Beamwidth, Vertical, degrees         | 60.0       | 60.0       | 60.0       |
| Front-to-Back Ratio at 180°, dB      | 24         | 24         | 24         |
| CPR at Boresight, dB                 | 19         | 19         | 19         |
| Isolation, dB                        | 26         | 26         | 26         |
| VSWR   Return Loss, dB               | 1.9   10.1 | 1.8   10.9 | 1.9   10.1 |
| PIM, 3rd Order, 2 x 20 W, dBc        | -150       | -150       | -150       |
| Input Power per Port, maximum, watts | 100        | 100        | 100        |
| Polarization                         | ±45°       | ±45°       | ±45°       |
| Impedance                            | 50 ohm     | 50 ohm     | 50 ohm     |

## General Specifications

|                            |                  |
|----------------------------|------------------|
| Antenna Type               | Directional      |
| Application                | Indoor   Outdoor |
| Brand                      | Cell-Max™        |
| Includes                   | Mounting bracket |
| Number of Ports, all types | 2                |
| Package Quantity           | 1                |

## Mechanical Specifications

|                        |   |
|------------------------|---|
| Color                  | White                                     |
| Radome Material        | ABS, UV resistant                         |
| RF Connector Interface | 7-16 DIN Female                           |
| Wind Loading, maximum  | 294.0 N @ 216 km/h<br>66.1 lbf @ 216 km/h |
| Wind Speed, maximum    | 216 km/h   134 mph                        |

CMax-DM60-CPUSEi

## Environmental Specifications

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

## Dimensions

|            |                    |
|------------|--------------------|
| Depth      | 124.5 mm   4.9 in  |
| Length     | 299.7 mm   11.8 in |
| Width      | 299.7 mm   11.8 in |
| Net Weight | 2.8 kg   6.3 lb    |

## Packed Dimensions

|                 |                    |
|-----------------|--------------------|
| Depth           | 230.0 mm   9.1 in  |
| Length          | 530.0 mm   20.9 in |
| Width           | 350.0 mm   13.8 in |
| Shipping Weight | 7.7 kg   17.0 lb   |

CMAx-DM60-CPUSEi

## Outline Drawing

