

# Product Specifications



## CELLMAX-O-25

Cell-Max™ Omnidirectional In-building Antenna, 806–960 MHz and 1710–2700 MHz



## CHARACTERISTICS

### Electrical Specifications

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|                          |                       |
|--------------------------|-----------------------|
| Beamwidth, Horizontal    | 360° omnidirectional  |
| Beamwidth, Vertical      | 100° nominal          |
| Gain at Frequency Band   | 3.0 dBi @ 806–960 MHz |
| Impedance                | 50 ohm                |
| Input Power, maximum     | 50 W                  |
| Operating Frequency Band | 806 – 960 MHz         |
| Polarization             | Vertical              |
| Return Loss              | 12.0 dB               |
| VSWR                     | 1.6:1                 |

### Electrical Specifications (Band 2)

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|                               |   |
|-------------------------------|---|
| Beamwidth, Horizontal         | 360° omnidirectional                              |
| Beamwidth, Vertical           | 100° nominal                                      |
| Gain at Frequency Band        | 3.0 dBi @ 1710–2700 MHz                           |
| Operating Frequency Band      | 1710 – 2700 MHz                                   |
| Return Loss at Frequency Band | 10.0 dB @ 2500–2700 MHz   12.0 dB @ 1710–2500 MHz |
| VSWR                          | 1.6:1 @ 1710–2500 MHz   1.9:1 @ 2500–2700 MHz     |

### General Specifications

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|                          |                                 |
|--------------------------|---------------------------------|
| Antenna Type             | Omnidirectional                 |
| Operating Frequency Band | 1710 – 2700 MHz   806 – 960 MHz |
| Brand                    | Cell-Max™                       |
| Color                    | White                           |
| Interface                | N Female                        |

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# Product Specifications



CELLMAX-O-25

|                  |                    |
|------------------|--------------------|
| Package Quantity | 1                  |
| Pigtail Cable    | RG58, plenum rated |
| Radome Color     | White              |
| Radome Material  | ABS, UV resistant  |

## Mechanical Specifications

|                |                                    |
|----------------|------------------------------------|
| Mounting       | Thru-hole ceiling mount (optional) |
| Pigtail Length | 254.0 mm   10.0 in                 |

## Environmental Specifications

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

## Dimensions

|                   |                     |
|-------------------|---------------------|
| Diameter, maximum | 165.00 mm   6.50 in |
| Height            | 85.00 mm   3.35 in  |
| Length            | 165.00 mm   6.50 in |
| Net Weight        | 0.30 kg   0.66 lb   |
| Width             | 165.00 mm   6.50 in |

## Packed Dimensions

|                 |                       |
|-----------------|-----------------------|
| Height          | 150.0 mm   5.9 in     |
| Length          | 180.0 mm   7.1 in     |
| Shipping Weight | 0.42 kg   0.93 lb     |
| Volume          | 0.0049 m <sup>3</sup> |
| Width           | 180.0 mm   7.1 in     |

## Regulatory Compliance/Certifications

**Agency**  
RoHS 2002/95/EC

**Classification**



## Electrical Performance - Custom

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## Electrical Performance

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