

# OMNIMAX® Outdoor Dipole 5G

## 5G Candlestick Outdoor Antenna



The AP-Dipole-Next-C-O-S6-GR dipole antenna is an ultra-wideband 5G externally mounted antenna providing high efficiency for IoT and M2M applications for cellular modules, modems, and gateways. This antenna outperforms competing products on the market and provides coverage for all cellular standards including CDMA, DCS, PCS, and GSM 2G, 3G, 4G, and 5G frequency bands in use globally.

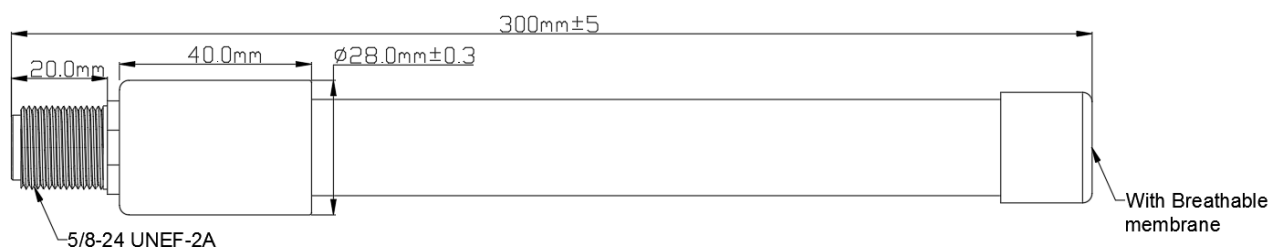
- Wideband Cellular 5G (617 MHz-6 GHz) Element
- External Outdoor Dipole Antenna
- High efficiency

### Configurations

|                                   |   |
|-----------------------------------|---|
| <b>AP-Dipole-Next-C-O-S6-GR</b>   | Cell/5G, Outdoor Antenna, N-Plug (Male) connector, Grey   |
| <b>AP-Dipole-Next-C-O-S6-F-GR</b> | Cell/5G, Outdoor Antenna, N-Jack (Female) connector, Grey |

### Dimensions

- N-Jack (Female)



Unless otherwise specified, tolerances are  $\pm 2\text{mm}$

## Specifications and Interface

|                   |   |
|-------------------|---|
| Standard          | 2G, 3G, 4G/LTE, 5G (Band 71, LTE, CBRS, LAA)  |
| Frequency Range   | 617 MHz - 6.0 GHz   |
| Peak Gain         | -0.1 dBi @ 617 MHz; 0.3 dBi @ 850 MHz, 1.7 dBi @ 1450 MHz, 2.0 dBi @ 1750 MHz, 2.8 dBi @ 1950 MHz, 4.3 dBi @ 2250 MHz, 5.5 dBi @ 2450 MHz, 3.6 dBi @ 3700 MHz, 4.0 dBi @ 5500 MHz |
| Feed Impedance    | 50 ohms   |
| Power Handling    | 30 dBm  |
| Interface         | 50 ohms, N-Plug (M) / N-Jack (F)  |
| Dimensions        | 28.0 mm × 300 mm  |
| Temperature Range | Operating -40°C to +85°C<br>Storage -40°C to +85°C  |
| Humidity Range    | 5 to 95%  |

## Optional Mounting Accessory

### SKU: AP-Bracket-U2-Dipole

- Designed to mount to a standard 2" pipe
- Galvanized Steel U-Bolt

| ITEM NO. | DESCRIPTION                                    |
|----------|--|
| 1        | GALVANIZED STEEL U-BOLT, 2"                    |
| 2        | VIBRATION DAMPING ROUTING CLAMP, 2"            |
| 3        | ALUMINUM UNTHREADED SPACER, .26" ID            |
| 4        | 2" U-BOLT MOUNT PLATE FOR 1/4"-20 THREAD SIZE  |
| 5        | ZINC-PLATED STEEL SPLIT LOCK WASHER, 0.26" ID  |
| 6        | ZINC-PLATED STEEL HEX NUT, 1/4"-20 THREAD SIZE |

