



VenU® 4G LTE/Cellular & Wi-Fi Omnidirectional Antenna

The VenU BMHO69027002 is a high performance omnidirectional antenna designed for outdoor base station applications. It supports high capacity data throughput for 4G LTE Cellular, 3G and Wi-Fi wireless networks in a compact housing. The antenna can be direct mounted via a built-in N Female bulkhead termination that allows direct mounting to the radio equipment.

Features

- Rugged, UV-resistant, low-profile housing for outdoor applications
- Innovative vented design with aerated cap and base drain system
- N Female bulkhead for direct radio mount access



BMHO69027002NF



BAM1009 mount

STANDARD CONFIGURATION

| Model | Connector | Mount |
|----------------|-------------------|---|
| BMHO69027002NF | N Female bulkhead | BAM-1009 base station aluminum mount kit for masts up to 2.4 inches in diameter (sold separately) |

ELECTRICAL SPECIFICATIONS - RF ANTENNA

| Frequency Range | Gain | VSWR | Azimuth Half Power Beamwidth | Elevation Half Power Beamwidth |
|-----------------------------|---------------|-------|------------------------------|--------------------------------|
| 690-960 MHz / 1700-2700 MHz | 2 dBi / 2 dBi | < 2.5 | 360° / 360° | 45° / 35° |

ELECTRICAL SPECIFICATIONS - RF ANTENNA, continued

| Average Power | Polarization | Nominal Impedance |
|---------------|------------------|-------------------|
| 25 watts max. | Vertical, linear | 50 ohms |

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

| Dimensions | Weight | Housing Material |
|-----------------------------------|--------------------|---------------------|
| 9 H x .94 OD in (22.86 x 2.38 cm) | 0.30 lbs (0.14 kg) | Black UV-Stable ASA |

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS, continued

| Rated Wind | Temperature Range | Lateral Thrust @ Rated Wind | Bending Moment @ Rated Wind |
|------------|-------------------|-----------------------------|-----------------------------|
| 125 mph | -40°C to +85°C | 3.1 lbs | 1.1 ft-lbs |

RoHS Compliance: 2002/95/EC and 2003/11/EC