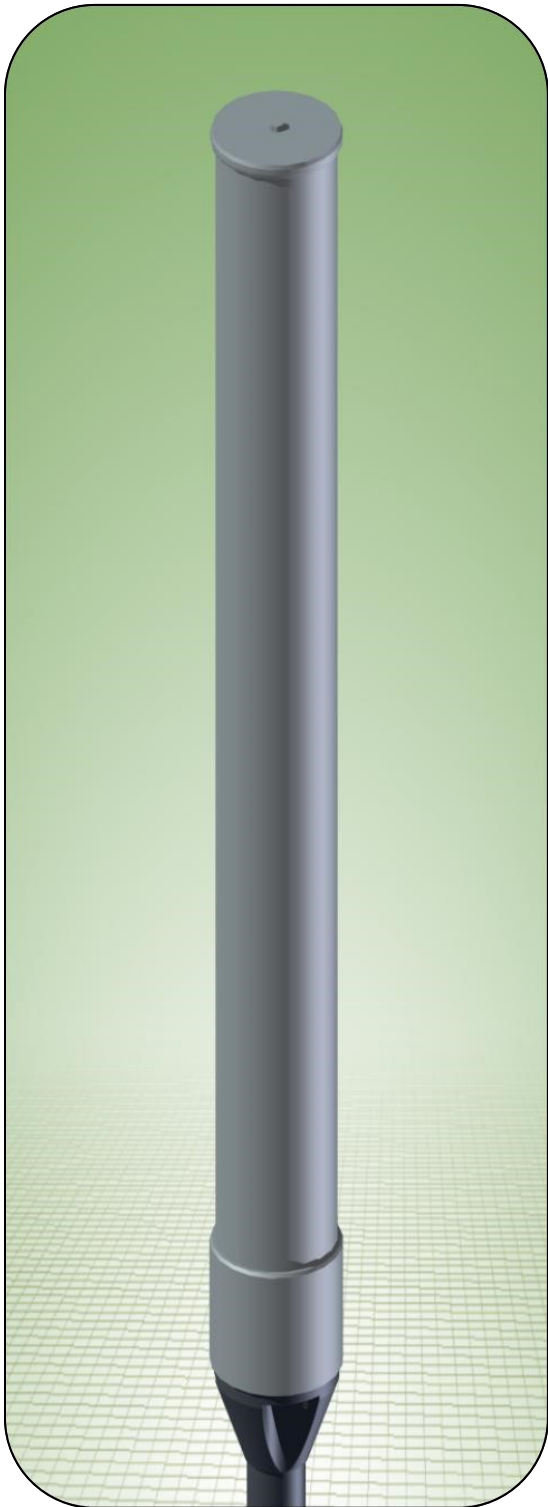


## Broadband Base Station Antenna



### Construction Details:

The antenna consists of an aluminum coaxial dipole covered by glass epoxy.

Within each semi-dipole there is a coaxial line shorted at the end. The coaxial line of the upper semi-dipoles produce an appropriate impedance to provide broadband operation of the entire antenna. The coaxial line of the lower semi-dipoles generate high impedance which attenuates to negligible values the currents that inevitably flow within the support pole.

These supports further provide a balancing that ensures that the characteristics of impedance of the two coaxial lines remain effectively constant even in the presence of shock, vibration, etc.

### Installation:

An optional mounting bracket is available with a mounting flange of 4.5 in. (114.3 mm) equipped with protection for the connector against the elements.



# Broadband Base Station Antenna

## Specifications

### ELECTRICAL:

<b>Frequency Range:</b>	100-400 MHz
<b>Gain:</b>	2.0 dBi Ref. to Isotropic Radiator
<b>VSWR:</b>	1.5:1 Nominal
<b>Input Impedance:</b>	50 $\Omega$ Nominal
<b>Power:</b>	250 Watts w/ Type N Connector 600 Watts w/ Type 7/16 Connector (Optional)
<b>Polarization:</b>	Vertical
<b>Radiation Pattern:</b>	Azimuth: 360° Elevation: 90°
<b>Input Connector:</b>	Type N Female Type 7/16 Female (Optional)

### MECHANICAL:

<b>Overall Height:</b>	51 in. (1.30 m)
<b>Radome Diameter:</b>	4.5 in. (114.3 mm)
<b>Net Weight:</b>	10.5 lb. (4.76 kg)
<b>Max Wind Load:</b>	124 mph (200 km/h)
<b>Color:</b>	Black/Green/Tan/Grey
<b>Mounting:</b>	Three 5/16-18 UNC Threaded Bolts

**\*\*All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.**

**\*\*Specifications are subject to change without prior notice.**



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