

EXTERNAL MOUNT CO-AXIAL ANTENNA: 340-512 MHz

Specifications

Radiator Material: Coated steel wire

Radome Material:
Pultruded white fiberglass

Weight /Height
Unity: 1 lb. Unity: 30 in
3dB: 4 lbs. 3dB: 71 in.
5dB: 4.5 lbs 5dB: 77 in.

Wind Survival: 100 mph

Mounting Base Diameter: 5/16 in.

Lightning Protection:
DC grounded

Maximum Power: 250 Watt

Nominal Impedance: 50 Ohms

Bandwidth: 10MHz at 1.5:1 VSWR

Vertical Beam-width at ½ Power:
Unity: 90 / 3dB: 38 / 5dB: 27

Frequency Range:340-512MHz

Equivalent Flat Plate Area
Unity: .11 sq. ft.
3dB: .30 sq. ft.
5dB: .35 sq. ft.

Lateral Thrust at Rated Wind
Unity: 5 lbs.
3dB: 10.8 lbs.
5dB: 12.6 lbs.

Bending Moment at Rated Wind
Unity: 5.2ft./ lbs.
3dB: 29 ft./ lbs.
5dB: 40.4ft./ lbs

NFPA-72 Compliant

Product Description

The External Mount Antenna (P/N 900722-0001) is a unity gain base matched half-wave antenna, available as 3dB, 5dB, and unity gain. Antennas are constructed of heavy-duty fiberglass radome with thick wall aluminum mounting bases. Antennas may be mounted on poles, roofs, walls, etc. with proper field-supplied mounting hardware. The effective "J" pole design requires no radials or ground plane.

External mount antennas are also available in 3dB and 5dB; 5dB is the recommended head-end connection to radio. Antenna is factory tuned to frequency (specify when ordering).



Ordering Information

P/N 900722-0001: 3dB, 5dB, and Unity Gain. Please specify exact frequency when ordering.