

COMTELCO

Technical Specification

BS100U

75-140 MHz Unity Gain

BASE STATION ANTENNA

Reliable Performance: Rated at 250 watts and Unity gain, you can expect years of continuous service.

Rugged Construction: The radiating elements are constructed of copper alloy and are encased in a fiberglass radome for total protection from moisture. The elements are supported internally to insure complete structural integrity.

Weatherproof: The fiberglass radome is ultraviolet inhibited. The heavy wall aluminum mounting sleeve is epoxy coated for superior weather protection.

Lightweight: These antennas are lightweight at less than 6 lbs. but are designed to easily withstand winds of over 100 MPH.

Simple Installation: Using the optional BSMNT2 mounting kit, installation time can be cut to minutes.

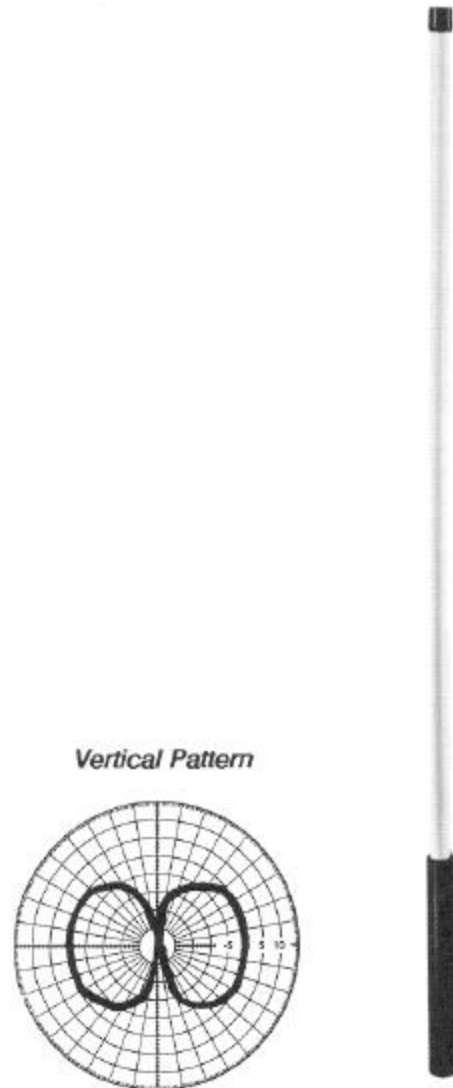
ELECTRICAL SPECIFICATIONS:

FREQUENCY RANGE: 75MHz - 140MHz

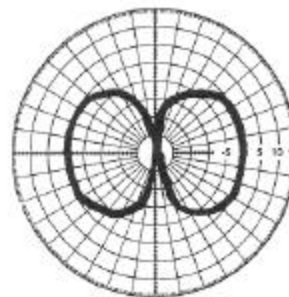
GAIN: Unity
VERTICAL BEAMWIDTH: 75 degrees
BANDWIDTH: 1 MHz
IMPEDANCE: 50 ohms
POWER RATING: 250 watts
VSWR: <1.5:1

MECHANICAL SPECIFICATIONS:

RADIATOR: White UV inhibited fiberglass radome sealed internal copper elements
TERMINATION: Type N female connector
MOUNTING SLEEVE: Heavy wall epoxy coated aluminum
SLEEVE DIAMETER: 1.35"
ANTENNA LENGTH: 96" Maximum
ANTENNA WEIGHT: 6 lbs.
WIND SURVIVAL: 100 mph



Vertical Pattern



VSWR vs. Frequency

