

# COMTELCO

## Technical Specification

BSL100U

### 75-140 MHz Unity Gain

### BASE STATION ANTENNAS

**Reliable Performance:** Rated at 250 watts and unity gain, you can expect years of continuous service from this heavy duty antenna.

**Rugged Construction:** The radiating elements are supported internally and constructed of copper alloy. They are welded and/or soldered to prevent any intermodulation. They are then encased in a fiberglass radome for total environmental protection.

**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 10 lbs. but are designed to easily withstand winds of over 125 MPH.

**Simple Installation:** Using the optional BSLMNT2 or our new heavy duty BSLLUMNT2-4 mounting kit, installation takes only minutes.

#### ELECTRICAL SPECIFICATIONS:

<b>FREQUENCY RANGE:</b>	75MHz – 140MHz
<b>VSWR:</b>	<2.0:1
<b>BANDWIDTH:</b>	6MHz @ <2:1
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms
<b>VERTICAL BEAMWIDTH:</b>	75°

#### MECHANICAL SPECIFICATIONS:

<b>RADIATOR:</b>	Internal copper alloy elements
<b>RADOME:</b>	1.5" dia. white UV inhibited fiberglass
<b>MOUNTING SLEEVE:</b>	10" heavy wall epoxy coated
<b>SLEEVE DIAMETER:</b>	1.95"
<b>TERMINATION:</b>	Female N
<b>ANTENNA LENGTH:</b>	96" at lowest frequency
<b>WEIGHT:</b>	10 lbs.
<b>FLAT PLATE AREA:</b>	.66 ft <sup>2</sup>
<b>WIND RATING:</b>	125 MPH
<b>LATERAL THRUST:</b>	44.5 lbs.



Vertical Pattern

