

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 mounting kit, installation takes only minutes.

ELECTRICAL SPECIFICATIONS:

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

MECHANICAL SPECIFICATIONS:

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



Vertical Pattern

