

# COMTELCO

## Technical Specification

## BSLDB31U

### 150/450 MHz Dual Band

### BASE STATION ANTENNA

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

**Rugged Construction:** The radiating elements are constructed of copper alloy. They are welded and, or soldered to prevent any intermodulation. They are 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 7 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:

<b>FREQUENCY RANGE:</b>	VHF	144-174MHz
	UHF	406-512MHz
<b>GAIN:</b>	Unity	
<b>VSWR:</b>	<2:1	
<b>BANDWIDTH:</b>	VHF	6 MHz
	UHF	20 MHz
<b>POWER RATING:</b>	250 watts	
<b>IMPEDANCE:</b>	50 ohms	
<b>VERT BEAMWIDTH:</b>	75 degrees	

#### MECHANICAL SPECIFICATIONS:

<b>RADIATOR:</b>	Copper alloy elements
<b>RADOME:</b>	White UV inhibited fiberglass
<b>MOUNTING SLEEVE:</b>	1.95"dia. heavy wall epoxy coated
<b>SLEEVE LENGTH:</b>	10"
<b>TERMINATION:</b>	Female N
<b>OVERALL LENGTH:</b>	64" typical
<b>WEIGHT:</b>	7 lbs.
<b>FLAT PLATE AREA:</b>	.44 ft <sup>2</sup>
<b>WIND RATING:</b>	125 MPH
<b>LATERAL THRUST:</b>	29.7 lbs.



**Vertical Pattern**

