

# COMTELCO

## Technical Specification

BSL450XL6

406-512 MHz 6dBd Gain

BASE STATION ANTENNA

**Reliable Performance:** Rated at 250 watts and 6dB 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 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 12 lbs. but are designed to easily withstand winds of 125 MPH.

**Simple installation:** Using the optional BSLMNT2 mounting kit, installation takes only minutes.

### ELECTRICAL SPECIFICATIONS:

Part No.	Frequency
BSL450XL6-A	406-440MHz
BSL450XL6-B	440-460MHz
BSL450XL6-C	450-470MHz
BSL450XL6-D	460-480MHz
BSL450XL3-E	480-512MHz
<b>GAIN:</b>	6dBd
<b>VSWR:</b>	<2.0:1
<b>BANDWIDTH:</b>	>20 MHz
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms
<b>VERT BEAMWIDTH:</b>	20°

### MECHANICAL SPECIFICATIONS:

<b>RADIATOR:</b>	Internal copper alloy elements
<b>RADOME:</b>	1.5" dia. white UV inhibited fiberglass
<b>MOUNTING SLEEVE:</b>	1.95" dia. 10" heavy wall epoxy coated
<b>TERMINATION:</b>	Female N
<b>LENGTH:</b>	98"
<b>WEIGHT:</b>	12 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

