

# COMTELCO

## Technical Specification

BSL1850XL3

1.85-1.99GHz, 5dBi Gain

OMNI ANTENNA

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

**Rugged Construction:** The radiating elements are supported internally and constructed of copper alloy. They are then encased in a fiberglass radome for total environmental protection.

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

**Lightweight:** These antennas are lightweight at less than 4 lbs.

**Simple Installation:** These antennas are terminated with an N type female connector or an optional pigtail.



### ELECTRICAL SPECIFICATIONS:

<b>FREQUENCY:</b>	1850-1990MHz
<b>GAIN:</b>	5dBi (3dBd)
<b>VERT BEAMWIDTH:</b>	40°
<b>BANDWIDTH:</b>	140MHz @ <2.0:1
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms

### MECHANICAL SPECIFICATIONS:

<b>RADIATOR:</b>	Internal copper alloy elements
<b>RADOME:</b>	1.5" dia. white UV fiberglass
<b>OVERALL LENGTH:</b>	16"
<b>TERMINATION:</b>	Female "N"
<b>MOUNTING SLEEVE:</b>	1.95 dia. X 3 1/2" long
<b>WEIGHT:</b>	3 lbs
<b>FLAT PLATE AREA:</b>	.123 ft <sup>2</sup>
<b>WIND RATING:</b>	125 MPH
<b>LATERAL THRUST:</b>	5.6 lbs.

Vertical Pattern

