

# COMTELCO

## Technical Specification

BSDB18U8

824-896 / 1850-1990 Dual Band

BASE STATION ANTENNA

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

**Rugged Construction:** The radiating elements are 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 4 lbs. but are designed to easily withstand winds of over 125 MPH.

**Simple installation:** Using the optional BSMNT2 mounting kit, installation takes only minutes.

### ELECTRICAL SPECIFICATIONS

**FREQUENCY RANGE:** 824-896MHz  
1850-1990MHz

**GAIN:** Unity

**VSWR:** <2:1

**POWER RATING:** 250 watts

**IMPEDANCE:** 50 ohms

**VERT BEAMWIDTH:** 75 degrees

### MECHANICAL SPECIFICATIONS:

**RADIATOR:** Copper alloy elements

**RADOME:** White UV inhibited fiberglass

**MOUNTING SLEEVE:** 1.35" dia. heavy wall epoxy coated

**TERMINATION:** Female N standard, pigtail optional

**LENGTH:** 18"

**WEIGHT:** 4 lbs.

**FLAT PLATE AREA:** .0825 ft<sup>2</sup>

**WIND RATING:** 125 MPH

**WIND LOAD:** 3.8 lbs.



Vertical Pattern

