

# **Technical Specification**

## BSDB18U8

#### 825-896 / 1850-1990 Dual Band

## **BASE STATION ANTENNA**

**Reliable Performance:** Rated at 250 watts and 3dB 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.



FREQUENCY RANGE: 825-896MHz

1850-1990MHz

 GAIN:
 3dB

 VSWR:
 <2:1</td>

 POWER RATING:
 250 watts

 IMPEDANCE:
 50 ohms

 VERT BEAMWIDTH:
 50°

### **MECHANICAL SPECIFICATIONS:**

RADIATOR: Copper alloy elements
RADOME: White UV inhibited fiberglass
MOUNTING SLEEVE: 1.35" (3.4cm)dia. heavy wall

epoxy coated

**TERMINATION:** Female N standard, pigtail

optional

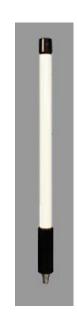
 LENGTH:
 18" (46cm)

 WEIGHT:
 4 lbs. (1.8kg)

 FLAT PLATE AREA:
 .0825 ft²

 WIND RATING:
 125 MPH (201kph)

 WIND LOAD:
 3.8 lbs.(1.7kg)



#### Vertical Pattern

