

COMTELCO

Technical Specification

BSDB31U

150/450 MHz Dual Band

BASE STATION ANTENNA

Reliable Performance: Rated at 250 watts with 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 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 5 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:	VHF	144-174MHz
	UHF	406-512MHz
GAIN:	Unity	
VSWR:	<2:1	
BANDWIDTH:	VHF	6 MHz
	UHF	20 MHz
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
SLEEVE LENGTH:	10"
TERMINATION:	Female N stand., pigtail optional
OVERALL LENGTH:	64" typical
WEIGHT:	5 lbs.
FLAT PLATE AREA:	.29 ft ²
WIND RATING:	125 MPH
LATERAL THRUST:	19.8 lbs.



Vertical Pattern

