

COMTELCO

Technical Specification

BSL220U

200-230MHz Unity Gain

BASE STATION ANTENNA

Reliable Performance: Rated at 250 watts and unity 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 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. Full moisture drain system.

Lightweight: These antennas are lightweight at less than 10 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:

ANTENNA TYPE:	FREQUENCY:
BSL220U-A	200-210MHz
BSL220U-B	210-220MHz
BSL220U-C	215-225MHz
BSL220U-XXX	Specify c/f 200-230MHz

BANDWIDTH:	6MHz <1.5:1 VSWR
VERTICAL BEAMWIDTH:	75 degrees
POWER RATING:	250 watts
IMPEDANCE:	50 ohms

MECHANICAL SPECIFICATIONS:

RADIATOR:	Internal copper alloy elements
RADOME:	1.5" dia. UV inhibited fiberglass
MOUNTING SLEEVE:	10" heavy wall epoxy coated
SLEEVE DIAMETER:	1.95"
ANTENNA LENGTH:	64" Maximum
WEIGHT:	10 lbs.
FLAT PLATE AREA:	.44 ft ²
WIND RATING:	125 MPH
LATERAL THRUST:	29.7 lbs.



Vertical Pattern

