

COMTELCO

Technical Specification

BSL450XL6

406-512 MHz 6dBd Gain

BASE STATION ANTENNA

Reliable Performance: Rated at 250 watts and 6dB 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 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 12 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:

Part No.	Frequency
BSL450XL6-A	406-440MHz
BSL450XL6-B	440-460MHz
BSL450XL6-C	450-470MHz
BSL450XL6-D	460-480MHz
BSL450XL3-E	480-512MHz
GAIN:	6dBd
VSWR:	<2.0:1
BANDWIDTH:	>20 MHz
POWER RATING:	250 watts
IMPEDANCE:	50 ohms
VERT BEAMWIDTH:	20 degrees

MECHANICAL SPECIFICATIONS:

RADIATOR:	Internal copper alloy elements
RADOME:	1.5" dia. white UV inhibited fiberglass
MOUNTING SLEEVE:	1.95" dia. 10" heavy wall epoxy coated
TERMINATION:	Female N
LENGTH:	96"
WEIGHT:	12 lbs.
FLAT PLATE AREA:	.66 ft ²
WIND RATING:	125 MPH
LATERAL THRUST:	44.5 lbs.



Vertical Pattern

