

Technical Specification

380-512 MHz 3dBd Gain

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 & copper alloy. 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:

BS380XL3-A	375-400MHz
BS450XL3-A	406-430MHz
BS450XL3-B	430-450MHz
BS450XL3-BC	445-465MHz
BS450XL3-C	450-470MHz
BS450XL3-CD	460-480MHz
BS450XL3-D	470-490MHz
BS450XL3-DE	480-500MHz
BS450XL3-E	490-512MHz

GAIN:	3dBd
VSWR:	<2.0:1
BANDWIDTH:	>20 MHz
POWER RATING:	250 watts
IMPEDANCE:	50 ohms
VERT BEAMWIDTH:	40°

MECHANICAL SPECIFICATIONS:

RADIATOR:	Internal copper alloy elements
RADOME:	1" (2.54cm) dia. white UV inhibited fiberglass
MOUNTING SLEEVE:	1.35" (3.4cm) dia. 10" (25.4cm) heavy wall epoxy coated
TERMINATION:	Female N standard, pigtail optional
LENGTH:	36" (91.44cm) at lowest frequency
WEIGHT:	5 lbs. (2.3kg)
FLAT PLATE AREA:	.21 ft ²
WIND RATING:	125 MPH (201kph)
LATERAL THRUST:	14.2 lbs.(6.4kg)



Vertical Pattern

