

# COMTELCO

## Technical Specification

BSAX18U8-6-120

### 824-940 / 1850-1990 MHz 6dBd Gain 120° DUAL BAND SECTOR ANTENNA

**Reliable Performance:** Rated at 250 watts and 6dBd gain, you can expect years of continuous service. This antenna provides 120° coverage at full gain.

**Rugged Construction:** The radiating elements are constructed of copper alloy. The elements are welded and/or soldered to prevent and intermodulation. The elements are then encased in a fiberglass radome for total environment protection.

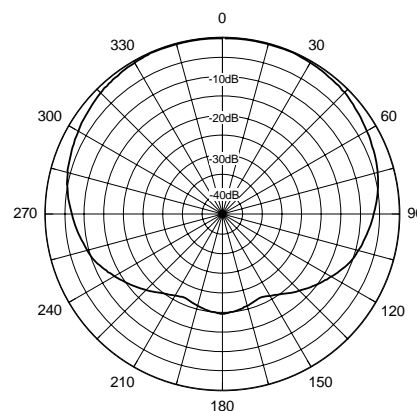
**Weatherproof:** The fiberglass radome is ultraviolet inhibited. The heavy wall mounting sleeve and reflector assembly are epoxy powder coated aluminum for superior weather protection.

**Lightweight:** These antennas are lightweight at less than 4 lbs. but are designed to easily withstand winds of 125 MPH.

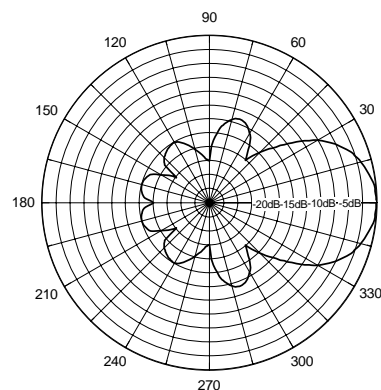
**Simple Installation:** The supplied mount kit consists of downtilt adjustable heavy duty aluminum V block and stainless steel V bolts.



**Horizontal Pattern**



**Vertical Pattern**



#### ELECTRICAL SPECIFICATIONS:

<b>FREQUENCY:</b>	824-940MHz 1850-1990MHz
<b>GAIN:</b>	6dBd
<b>VSWR:</b>	<2:1
<b>FRONT TO BACK:</b>	25 dB
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms
<b>VERT BEAMWIDTH:</b>	30°
<b>HORIZ BEAMWIDTH:</b>	120°

#### MECHANICAL SPECIFICATIONS:

<b>RADIATOR:</b>	Internal copper alloy elements
<b>REFLECTOR ASSY:</b>	Powder coated Aluminum 15" H x 10" W
<b>RADOME:</b>	White UV inhibited fiberglass
<b>TERMINATION:</b>	Female N
<b>HEIGHT:</b>	15"
<b>WIDTH:</b>	10"
<b>WEIGHT:</b>	4 lbs.
<b>FLAT PLATE AREA:</b>	1.0 ft <sup>2</sup>
<b>WIND RATING:</b>	125 MPH
<b>LATERAL THRUST:</b>	40 lbs.
<b>MOUNTING:</b>	Stainless V Bolts, Aluminum V Block 2 1/2" Dia. Max.