

COMTELCO

Technical Specification

BSAX18U8-6-90

824-940 / 1850-1990 MHz 6dBd Gain 90° DUAL BAND SECTOR ANTENNA

Reliable Performance: Rated at 250 watts and 6dBd gain, you can expect years of continuous service. This antenna provides 90° 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.

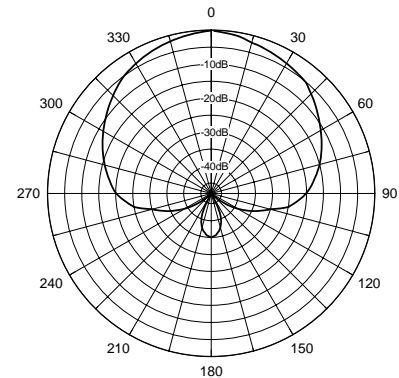
Weatherproof: The fiberglass radome is ultraviolet inhibited. The heavy wall mounting sleeve and reflector assembly are epoxy powder coated aluminum for superior weather protection.

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

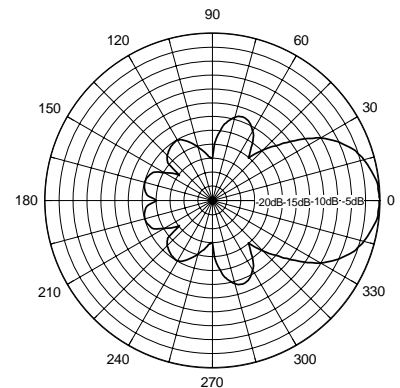
Simple Installation: The supplied mount kit consists of downtilt adjustable heavy duty aluminum V block and stainless steel V bolts.



Horizontal Pattern



Vertical Pattern



ELECTRICAL SPECIFICATIONS:

| | |
|-------------------------|----------------------------|
| FREQUENCY: | 824-940MHz 1850-1990MHz |
| GAIN: | 6dBd |
| VSWR: | <2:1 |
| FRONT TO BACK: | 25 dB |
| POWER RATING: | 250 watts |
| IMPEDANCE: | 50 ohms |
| VERT BEAMWIDTH: | 35° |
| HORIZ BEAMWIDTH: | 90° |

MECHANICAL SPECIFICATIONS:

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