

X-BAND BENT STUB ANTENNA

MODEL 895X



SUPPLYING HIGH PERFORMANCE FLIGHT INSTRUMENTATION, RF/MICROWAVE ASSEMBLIES, POWER AMPLIFIERS, IFF AND DATA ACQUISITION SYSTEMS FOR SEVERE ENVIRONMENTS.

DESCRIPTION

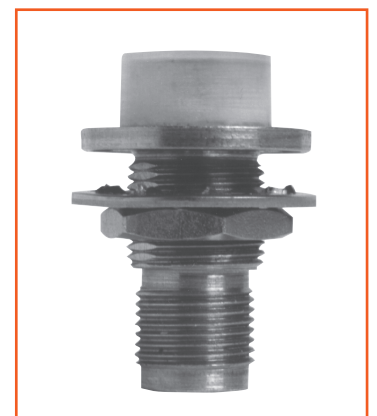
The Model 895X Bent Stub Antenna was developed for airborne beacon transponder and transmitter applications. The most notable feature of the 895X is, its ability to provide coverage for selected planes and polarizations in the overhead region always left uncovered by ordinary stub antennas. This is accomplished without undue sacrifice of normal stub antenna coverage.

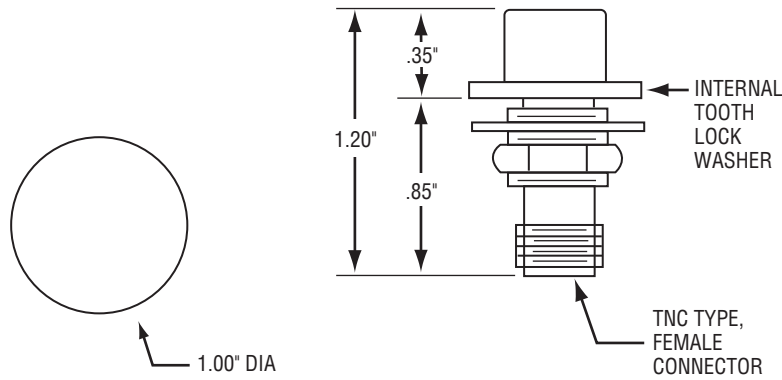
The antenna is characterized by its compactness and light weight, while still maintaining the electrical and environmental characteristics required.

The vehicle skin serves as the ground plane for the antenna. A minimum 2-inch diameter ground plane is required when the antenna is not mounted directly onto a metal surface. The antenna can be mounted to a surface 0.25" thick, a "D" hole is required, it is then secured by a lock washer and nut.

FEATURES

- Developed for airborne beacon transponder and transmitter applications
- Provides coverage for selected planes and polarizations in the overhead region left uncovered by ordinary stub antennas
- Compact and extremely light-weight while still maintaining the electrical and environmental characteristics
- Simplified mounting





ELECTRICAL

- Frequency Range: 8.5 to 10.4 GHz
- Impedance: 50 ohms
- VSWR: 2.0:1 maximum
- Beamwidth: Omni-directional
- Polarization: Linear
- Power: 1 kW peak
- Connector: TNC
- Sealing: O-ring
- Altitude: 70,000 feet
- Temperature: -66°F (-54°C) to +165°F (74°C)
- Vibration Sine: 10 g's - 5 to 2000 Hz

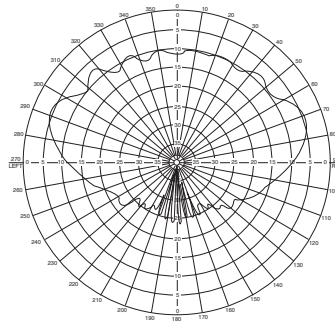
PHYSICAL

- Size: 1.20" height (3.05 cm) 1.0" diameter (2.54 cm)
- Weight: 2 oz. (56.7 gms)

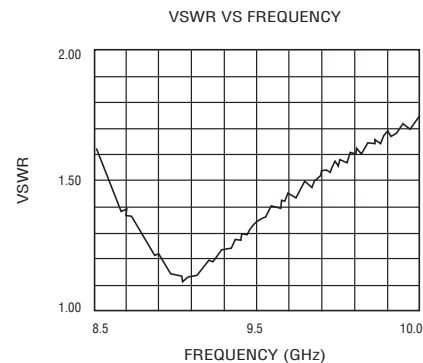
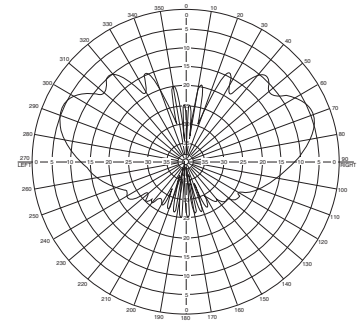
PRODUCT NUMBERS

- P/N 411261-1 - Standard unit

VERTICAL ROLL PLANE



VERTICAL PITCH PLANE



making a difference

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