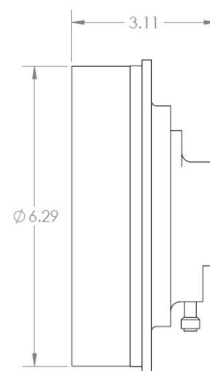
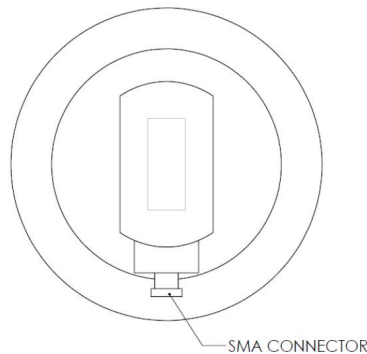


Model ASO-1950 Cavity Backed Spiral Antenna

This ASO-1950 Cavity-Backed Spiral Antenna exhibits frequency independent free-space radiation patterns, low axial ratio, and near isotropic gain levels. This circularly polarized antenna can be flush mounted behind a fairing or similar dielectric cover for airborne applications. Upon request, Cobham can furnish flush radomes for single apertures or multiple apertures as necessary. The ASO-1950 provides semi-constant beam-widths in both planes over its entire operating bandwidth. In addition, the ASO-1950 antenna is available in phase and amplitude matched sets for use in Interferometer applications. Variants of the ASO-1950 are in service on a wide variety of platforms in precision DF and RWR applications.



Model ASO-1950 Cavity Backed Spiral Antenna

KEY FEATURES:

- Ultra Wide band antenna
- Phase and amplitude tracking available
- Suitable for interferometer applications
- Rugged and Lightweight

FREQUENCY RANGE:

- 0.5 to 4 GHz

VSWR:

- 3.0 : 1 nominal

GAIN:

- 0.5 GHz : -14 dBLi
- 2.0 GHz : -3 dBLi
- 4.0 GHz : +2 dBLi

3 dB BEAMWIDTH:

- 80°

POLARIATION:

- RHCP
- LHCP

AXIAL RATIO:

- boresight : 2dB
- +/- 45 degrees : 3.5 dB

RF POWER:

- 5 Watts CW

WEIGHT:

- 2.4 lb.

INPUT:

- SMA

IMPEDANCE:

- 50 Ohms

QUALIFICATION:

- MIL-E-5400

