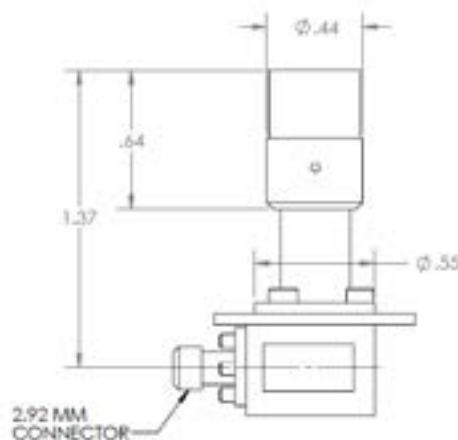
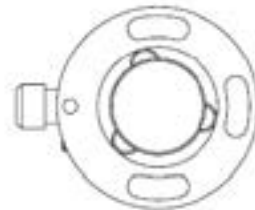


Model ASK 2163 Cavity Backed Spiral Antenna

This ASK-2163 Cavity-Backed Spiral Antenna exhibits frequency independent freespace radiation patterns, low axial ratio, and isotropic gain levels. This circularly polarized antenna can be flush mounted behind a fairing or similar dielectric cover for airborne applications. Upon request, CAES can furnish flush radomes for single apertures or multiple apertures as necessary. The ASK-2163 provides semiconstant beam-widths in both planes over its entire operating bandwidth. In addition, the ASK-2163 antenna is available in phase and amplitude matched sets for use in Interferometer applications. Variants of the ASK-2163 are in service on a wide variety of platforms in precision DF and RWR applications.



PHYSICAL CONFIGURATION



Model ASK 2163 Cavity Backed Spiral Antenna

KEY FEATURES:

- Ultra Wideband Antenna
- Phase and Amplitude Tracking available
- Suitable for interferometer applications
- Rugged and Lightweight

FREQUENCY RANGE:

- 18 to 40 GHz

IMPEDANCE:

- 50 Ohms

VSWR:

- 3.0 : 1

POLARIZATION:

- LHCP (A) or RHCP (AA)

GAIN:

- 18 GHz : -2 dBiL
- 29 GHz : 0 dBiL
- 40 GHz : -1 dBiL

BEAMWIDTH:

- 70 Degrees nominal

AXIAL RATIO (BORESIGHTS):

- 2 dB

BEAM SQUINT:

- ±6 degrees

CONNECTOR:

- 2.92 mm (Type K)

WEIGHT:

- 0.1 lb

