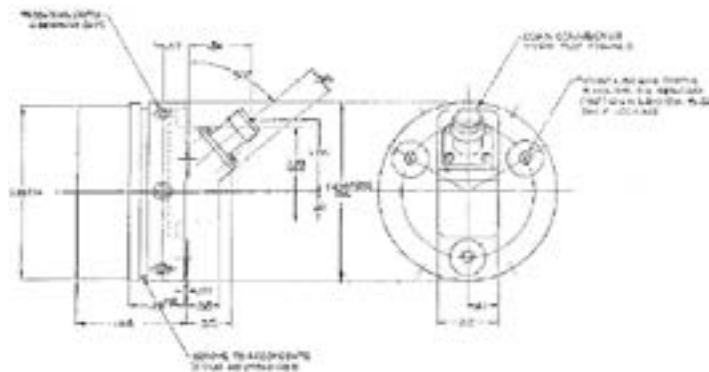


Model ASO/AST - 1492 Series Cavity Backed Spiral Antennas

CAES ASO/AST-1492 series 2.4-inch diameter spiral antennas provide superior performance for use in applications requiring circular polarization. With excellent input VSWR, these antennas provide smooth broadband gain, low axial ratios and consistent pattern performance. Examples of extensive use include radar warning receivers and other airborne applications.

Having undergone rigorous environmental qualification testing, this series of antennas is ideally useful in airborne applications. The ASO/AST-1492 series is available in either left- or right-hand circular polarization, and also with hemispherical radomes.

Customers can chose either SMA Female connector (ASO-1492) or TNC Female connector (AST-1492).



APPLICATIONS:

- Airborne Radar Warning Receivers
- Parabolic Dish CP Feed Antennas
- Flight line Test Couplers
- Other applications requiring circular polarization

Model ASO/AST-1492 Series Cavity Backed Spiral Antenna

KEY FEATURES:

- Ultra Broadband Frequency Performance (2-18 GHz)
- Consistent half-power beamwidth for quadrant coverage
- Excellent phase response (ASO-1547D/DD series)
- Low axial ratio
- Rugged design for survivability in airborne applications
- Right or Left hand circular Polarization Available
- low cost

FREQUENCY:

- 2 to 18 GHz

GAIN:

- 2 GHz -6 dBLi
- 9 GHz 2 dBLi
- 18 GHz 0 dBLi

VSWR:

- 2.5:1 typical

POWER:

- 1 W

BEAMWIDTH:

- 75°± 25°

SQUINT:

- +/- 5 deg

AXIAL RATIO:

- 2 dB 0°
- 3.5dB ±45°

DIAMETER:

- 2.5 inches

WEIGHT:

- 6 oz.

