

MODEL ASO/AST-1492 SERIES CAVITY BACKED SPIRAL ANTENNA

Honeywell Aerospace 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.

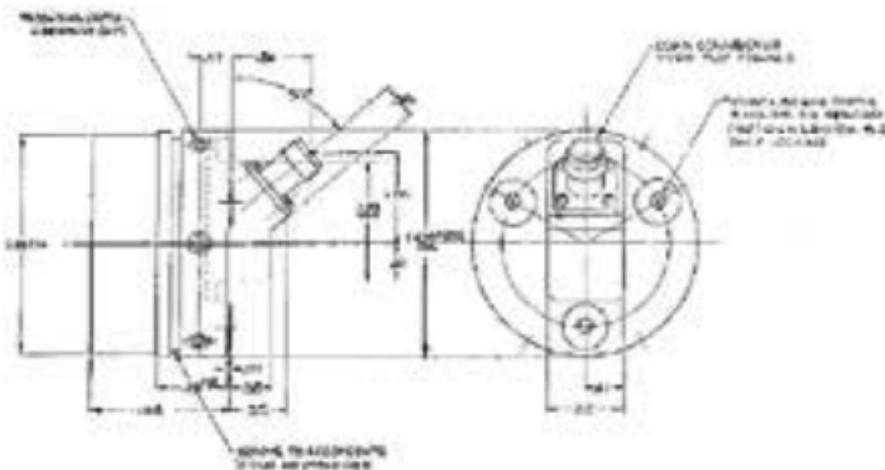
Having undergone rigorous environmental qualification testing, this series of antennas is ideally useful in airborne applications. The ASO/AST-1492 series is available in either left- or right-hand circular polarization, and also with hemispherical radomes.

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



APPLICATIONS INCLUDE:

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



PERFORMANCE SPECIFICATIONS

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 Range	2 to 18 GHz
Gain	2 GHz -6 dBLi 9 GHz 2 dBLi 18 GHz 0 dBLi
VSWR	2.5:1 typical
Power	1W
Beamwidth	75° ± 25°
Beam Squint	+/- 5 deg
Axial Ratio	2 dB 0° 3dB ±45°
Diameter	2.5 inches
Weight	6 oz

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