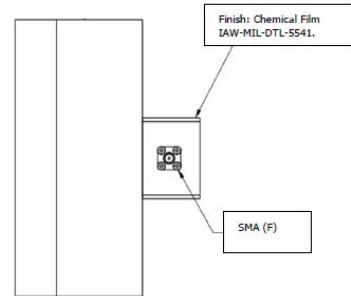
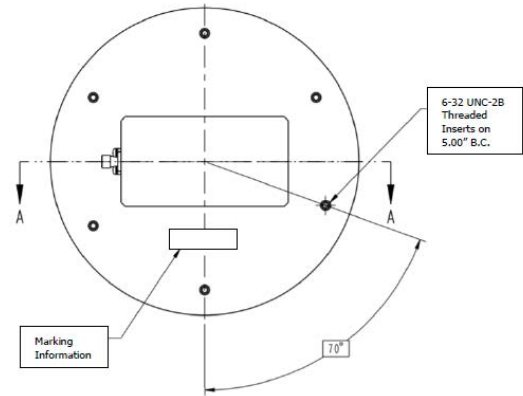


# Model 8508580 Cavity Backed Spiral Antenna

CAES model 8508580-501 (LHCP) and -502 (RHCP) are high-efficiency, planar, cavity-backed, spiral antennas, and have been designed and qualified for installation on military aircraft. Designed to provide the wideband performance and semi-constant beamwidth associated with Spiral antennas, but with the benefit of increased efficiency, the 8508580- antennas provide greater than 0dBiL boresight gain performance as low as 700MHz within a 6" diameter housing. The improved efficiency also enables the 8508580- antenna to be utilized both in receive and low-power transmit applications.



# Model 8508580 Cavity Backed Spiral Antenna

**KEY FEATURES:**

- Wide band and stable phase center
- Semi constant Beamwidths
- Available as phase matched sets
- Qualified for military airborne environment
- Suitable for transmit applications

**FREQUENCY RANGE:**

- 0.7 to 3.0 GHz

**VSWR:**

- 3.0 : 1 nominal

**GAIN:**

- 0 dBiL

**3 dB BEAMWIDTH:**

- 75°

**POLARIATION:**

- RHCP
- LHCP

**AXIAL RATIO:**

- 4 dB max

**FINISH:**

- MIL-DTL-5541

**WEIGHT:**

- 32 oz

**INPUT:**

- SMA

**DIMENSIONS:**

- 6.0" dia. X 4.0" depth

**ENVIRONMENTAL:**

- MIL-STD-810

