Model 9C40800
Low Profile Spiral

CAES announces a new low profile spiral antenna for airborne Electronic Warfare (EW) to be employed in a radar warning receiver or direction finding application. Model 9C40800 provides wideband, high efficiency performance in an extremely compact package. The antenna mechanical envelope is a 2-inch diameter by 1.5-inch deep cylinder, including the antenna housing and coaxial connector. It operates over the 2.0 to 18.0 GHz frequency range with a nominal VSWR of less than 2.0:1. Model 9C40800 is available in amplitude matched sets. Other similar models are also available; contact us to discuss your specific requirements.
# Model 9C40800 Low Profile Spiral

## FEATURES:
- Broad Bandwidth
- Gain Tracked Sets
- Pattern Symmetry
- Low Axial Ratio
- Light Weight
- Compact Size

## FREQUENCY RANGE:
- 2.0 to 18.0 GHz

## VSWR:
- 2.5 : 1 max., 2.0 : 1 nominal

## GAIN:
(Boresight) measured at the minimum of ellipticity ratio
- 2 GHz: -9 dBiL
- 5.5 GHz: 0 dBiL
- 18 GHz: 0 dBiL

## 3 dB BEAMWIDTH (nominal):
- 75°

## BEAM SQUINT:
- ±5° max.

## POLARIZATION:
- LHCP (RHCP available)

## AXIAL RATIO:
- 3 dB max., 1.5 dB nominal

## RF POWER:
- 2 Watts CW

## WEIGHT:
- 1.7 oz.

## INPUT:
- SMA Female