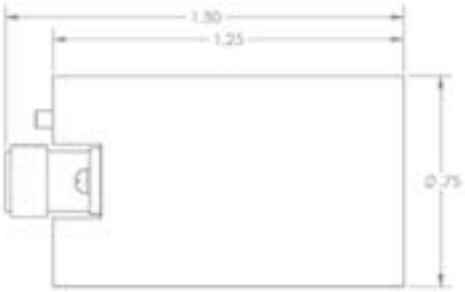
PRODUCT BRIEF

RELEASE DATE 7/16/20

Model ASO 1665
Cavity Backed Spiral Antenna

This ASO-1665 Cavity-Backed Spiral Antenna exhibits frequency independent free-space 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 ASO-1665 provides semi-constant beam-widths in both planes over its entire operating bandwidth. In addition, the ASO-1665 antenna is available in phase and amplitude matched sets for use in Interferometer applications. Variants of the ASO-1665 are in service on a wide variety of platforms in precision DF and RWR applications.

PHYSICAL CONFIGURATION



PRODUCT BRIEF

RELEASE DATE 7/16/20

Model ASO 1665
Cavity Backed Spiral Antenna

KEY FEATURES:	• Ultra Wideband Antenna • Phase and Amplitude Tracking available • Suitable for interferometer applications • Rugged and Lightweight
FREQUENCY RANGE:	• 8 to 18 GHz
IMPEDANCE:	• 50 Ohms
VSWR:	• 3.0 : 1
POLARIZATION:	• LHCP (A) or RHCP (AA)
BORESIGHT GAIN:	• 0 dBiL Typical
BEAMWIDTH:	• 70 Degrees nominal
AXIAL RATIO (BORESIGHTS):	• 2 dB
BEAM SQUINT:	• ±5 degrees
CONNECTOR:	• SMA
WEIGHT:	• 0.3 lb

AS9100 Registered

CAES PIONEERING ADVANCED ELECTRONICS 305 Richardson Road | Lansdale PA 19446 USA | 1-215-996-2416 | cobhamaes.com