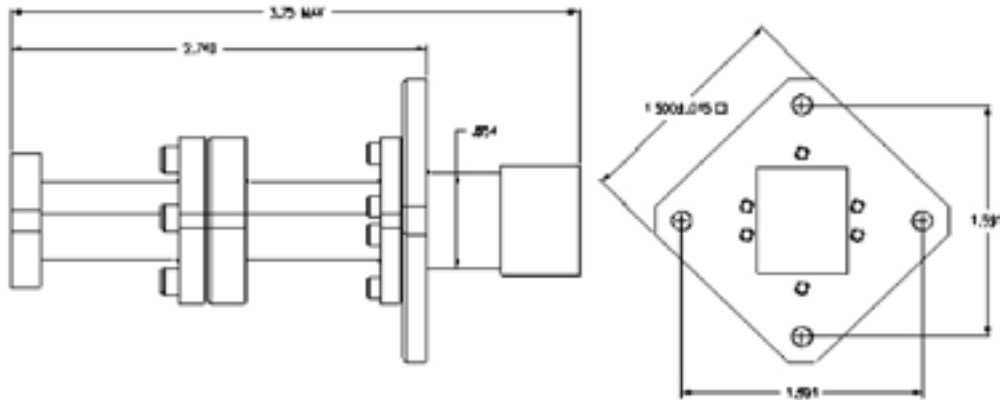


# Model 330HC1 Millimeter Wave Horn Antenna

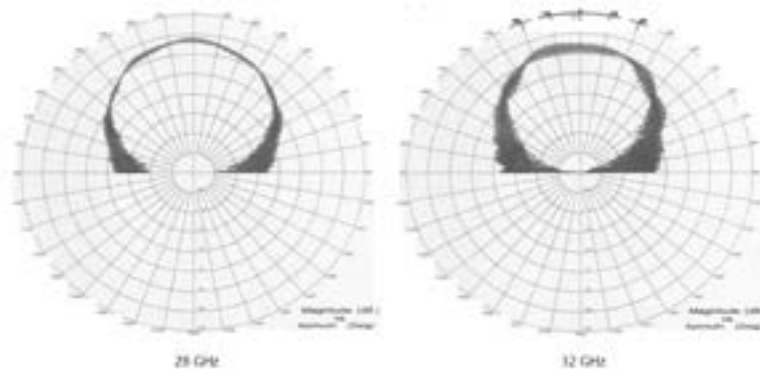
CAES introduces the latest in its line of high performance horn antennas, the model 330HC1, which provides an outstanding combination of size, light weight, and efficient electrical performance. This circular polarized antenna can be configured during fabrication for either right hand or left hand polarization. The antenna is designed for installation on the exterior surface of aircraft operating at speeds up to 400 knots. Optional high strength radomes are available for higher dynamic applications. Power handling of this antenna exceeds 100 Watts CW.



PHYSICAL CONFIGURATION



SAMPLE RADIATION PATTERN



# Model 330HC1 Millimeter Wave Horn Antenna

- FEATURES :**
- High Efficiency
  - Broad Bandwidth
  - Small Size
  - Optional Lenses for Custom Beamwidths
  - Integral Radome
  - RHCP or LHCP

**FREQUENCY RANGE:** • 26.5 to 40 GHz

**VSWR:** • 2.0 : 1 max.

**GAIN ON BORESIGHT:** • 8 to 11 dBiL nominal

**AXIAL RATION ON BORESIGHT:** • 3 dB nominal

**POLARIZATION:** • RHCP or LHCP

**BEAMWIDTH:** • 50° to 35° nominal

**RF POWER:** • 100 Watts CW

**WEIGHT:** • 2.2 oz.

**SIZE:** • 3.75 x 1.5 in. (L xW)

**INPUT:** • WR-28

