Model 290HC2
Horn Antenna

CAES introduces the latest in its line of high performance horn antennas. Model 290HC2 is a millimeter wave circularly polarized horn antenna operating over the 18 to 40 GHz frequency range. This horn antenna utilizes our unique lens designs to broaden the beamwidth for improved field of view coverage. Model 290HC2 has been specifically designed for airborne Electronic Warfare (EW) applications such as Electronic Countermeasures (ECM), Radar Warning Receivers (RWR), Signals Intelligence (SIGINT) and Electronic Intelligence (ELINT). Other potential applications for this product include broadband communications and as a feed element for reflector antennas.
# Model 290HC2

**Horn Antenna**

**FEATURES:**
- Compact Size
- RHCP to LHCP
- Variable Length
- High Radiation Efficiency
- Integral Lens
- Rugged Construction

**FREQUENCY RANGE:**
- 18 to 40 GHz

**VSWR:**
- 2 : 1 max.

**GAIN ON BORESIGHT:**
- 18 GHz: 6.0 dBiC
- 40 GHz: 10.0 dBiC

**AXIAL RATIO ON BORESIGHT:**
- 2.5 dB nominal

**POLARIZATION:**
- Circular (right or left)

**HALF POWER BEAMWIDTH**
- E-Plane 80° nominal
- H-Plane 65° nominal

**WEIGHT:**
- 1.12 oz.

**SIZE:**
- 1.64 - 1.8 in. (var. Length)

**INPUT:**
- WRD180

**POWER HANDLING:**
- 100 Watts CW