

AHO-2036

Dual-Linear Polarized Broadband Horn Antenna

COBHAM

2009 Data Sheet

The most important thing we build is trust

Cobham Sensor Systems has developed a unique, broadband dual-linear polarization horn antenna for use in multiple applications. This antenna provides numerous advantages when compared to conventional quad-ridged horns, including wider frequency coverage, smaller size and lighter weight. The AHO-2036 provides excellent performance from 1.5 GHz to beyond 23 GHz, and can be used as an illuminator for anechoic chambers, a feed for large reflectors or signal surveillance and jamming applications.



Applications Include:

- Anechoic Chamber Calibrated Gain Antenna
- Anechoic Chamber Illuminator
- Surveillance System Apertures
- Reflector Antenna Feed
- EMI/EMC Testing

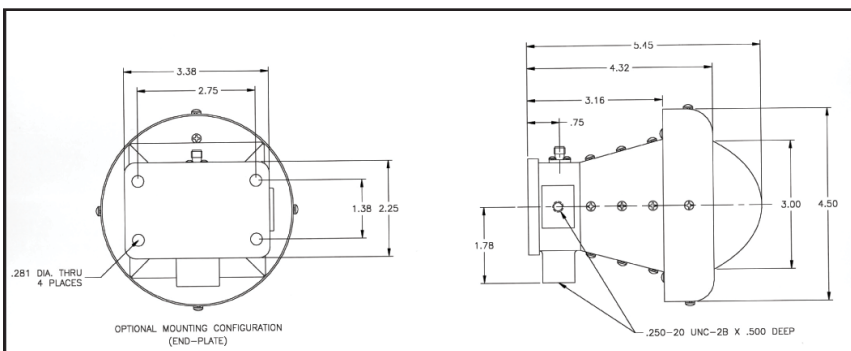
AHO-2036 Provides:

- Extremely Wide Bandwidth and Dual Polarization Eliminates Need for Multiple Antennas
- Wide Bandwidth and Dual Polarity Improves Consistency of Measurements in Test Applications
- Compact Size Suitable for Man-Portable or Aircraft Installations
- Tripod or End-plate Mounting Configurations

Key Features

- Dual-Polarized Horn Feed
- 1.5 to 23 GHz
- Compact Size 5.3" x 4.5"
- High Gain
- Separate V, H Outputs
- High Isolation >25 dB

AHO-2036						
Typical Antenna Characteristics						
Frequency Band	1.5 to 23 GHz		Diameter x H:	4.6 x 5.3 in.	Weight:	1.3 lbs.
VSWR	Maximum	4:1	Typical:	2.5:1	Power (CW):	2 W
Avg Linear Gain:	1.5GHz=	4 dBLi	13 GHz=	16 dBLi	23 GHz=	12 dBLi
3dB Beamwidth:	35° E-Plane	45° H-Plane	Note: At the lowest frequency the beamwidth increases to 150 deg.			



For more information, please contact:

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