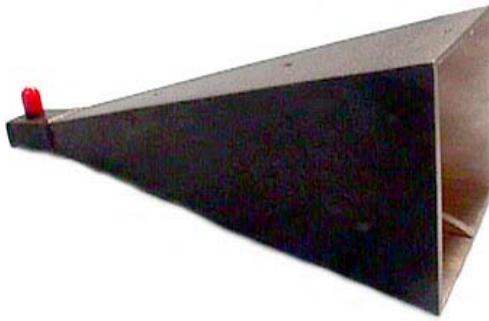


EM-6969 | Antenna, Double Ridged Guide Horn Antenna



Description

The EM-6969 Double Ridged Guide Horn Antenna is a linearly polarized broadband antenna for all purpose signal radiation and reception.

The versatile EM-6969 is ruggedly constructed of aluminum, which makes it excellent for use under severe field conditions and the size makes it suitable for use in the limited space of a shielded enclosure.

APPLICATIONS

The EM-6969 is a linearly polarized antenna capable of operating as either a transmitting or receiving antenna.

The EM-6969 exhibits highly efficient performance characteristics for a broadband antenna. It is also well suited for radiated immunity testing in the microwave range and general transmitting and receiving applications

Specifications

Electrical

Frequency Range: 6.0 – 18.0 GHz

VSWR: 2.0:1 Max

Gain: 13 - 20 dBi

Beamwidth: 18° x 18° nominal at midband

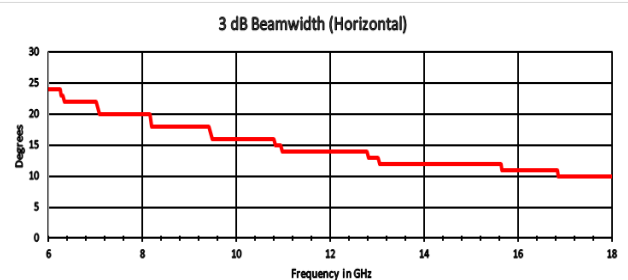
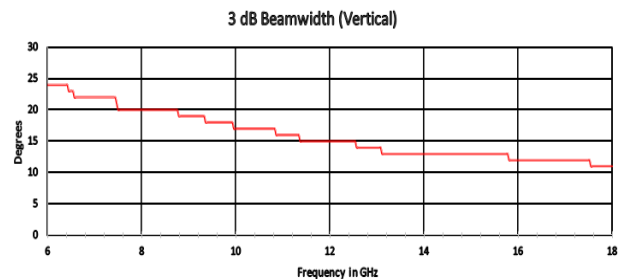
Polarization: Linear

Connector: SMA Female

Mechanical

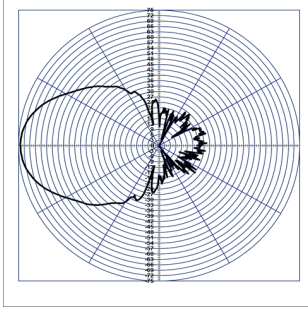
Size: 3.85" x 2.8" 7.15" (W x H x L)

Weight: 2 lbs

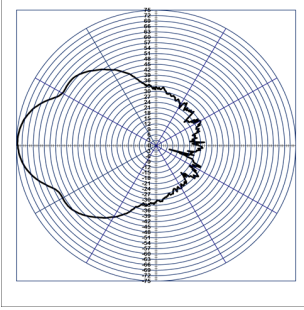


Antenna Patterns

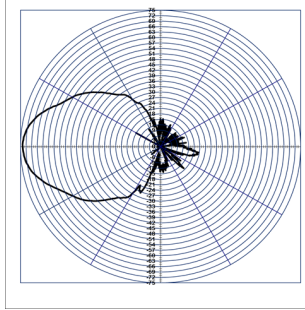
6 GHz E Plane



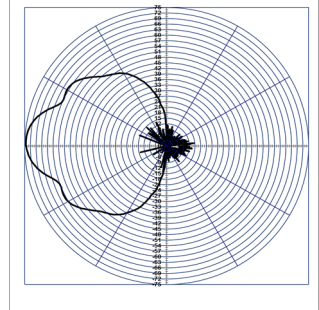
6 GHz H Plane



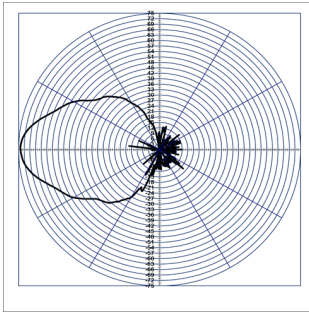
8 GHz E Plane



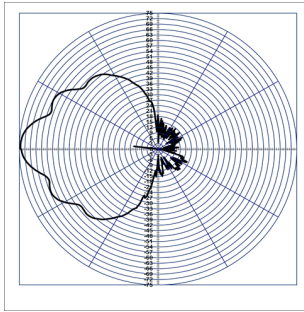
8 GHz H Plane



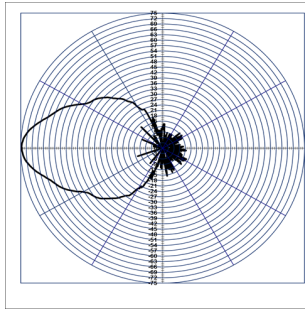
10 GHz E Plane



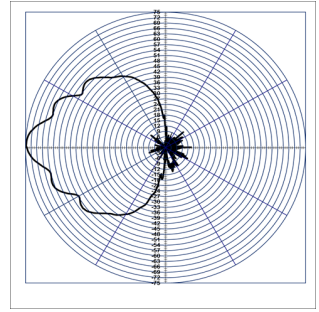
10 GHz H Plane



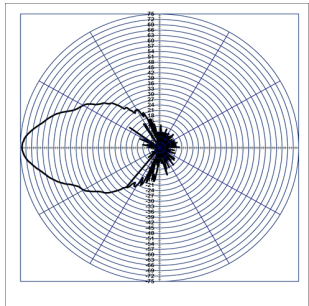
12 GHz E Plane



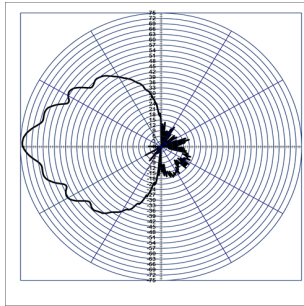
12 GHz H Plane



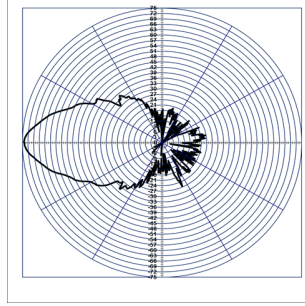
15 GHz E Plane



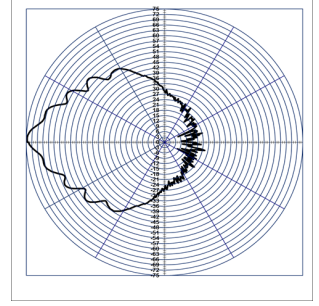
15 GHz H Plane



18 GHz E Plane



18 GHz H Plane



EM-6969 Typical Gain

