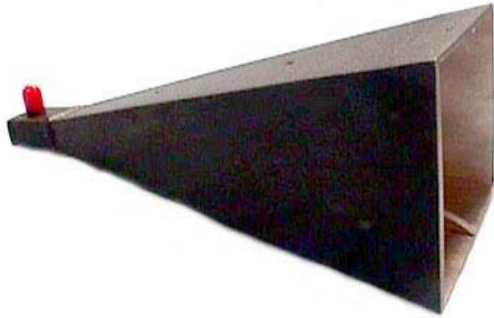


EM-6969 | Double Ridged Horn Antenna



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.

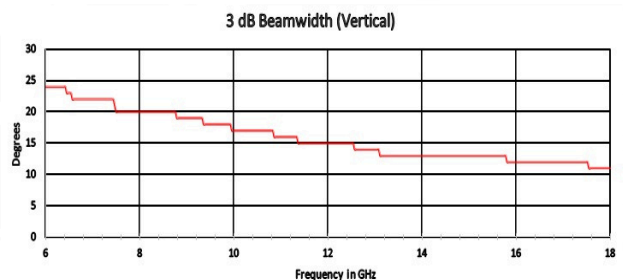
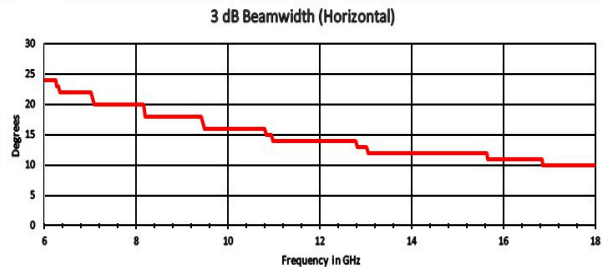
Specifications

Electrical

Frequency Range:	6.0 – 18.0 GHz
Polarization	Linear
VSWR:	2.0:1 Max
Gain:	13 - 20 dBi
Beamwidth:	18° x 18 ° nominal at midband
Connector:	SMA Female

Mechanical

Dimensions:	Height: 2.8" Width: 3.85" Length: 7.15" Weight: 2 lbs.
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Specifications subject to change without notice, unless otherwise specified. Product is manufactured in Johnstown, NY, U.S.A.



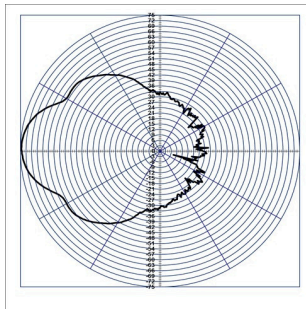
EM-6969 | Double Ridged Horn Antenna

Antenna Patterns

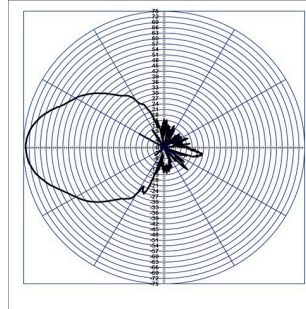
6 GHz E Plane



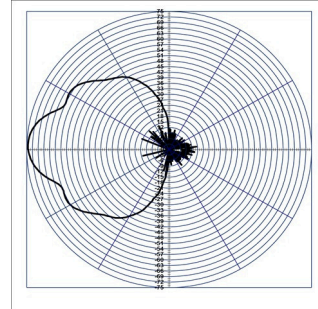
6 GHz H Plane



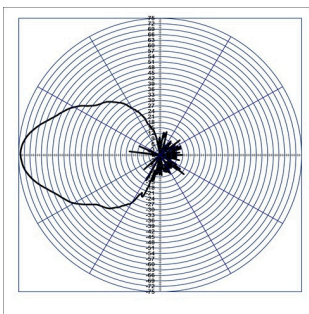
8 GHz E Plane



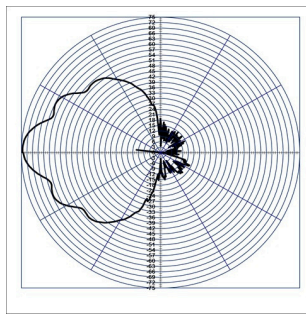
8 GHz H Plane



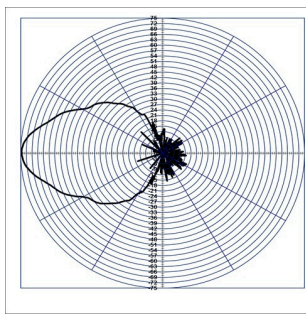
10 GHz E Plane



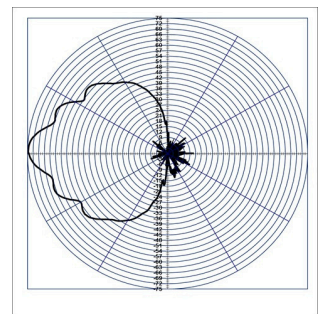
10 GHz H Plane



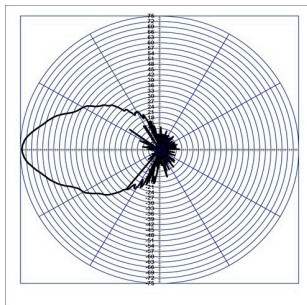
12 GHz E Plane



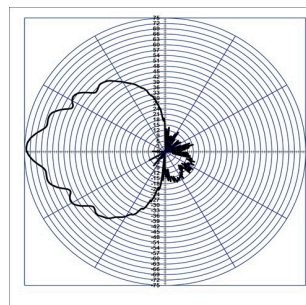
12 GHz H Plane



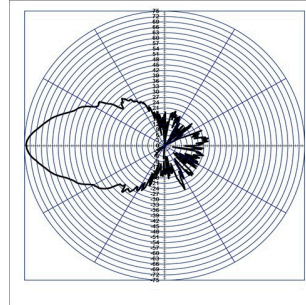
15 GHz E Plane



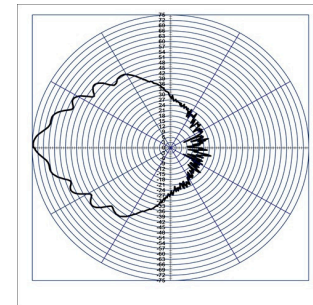
15 GHz H Plane



18 GHz E Plane



18 GHz H Plane

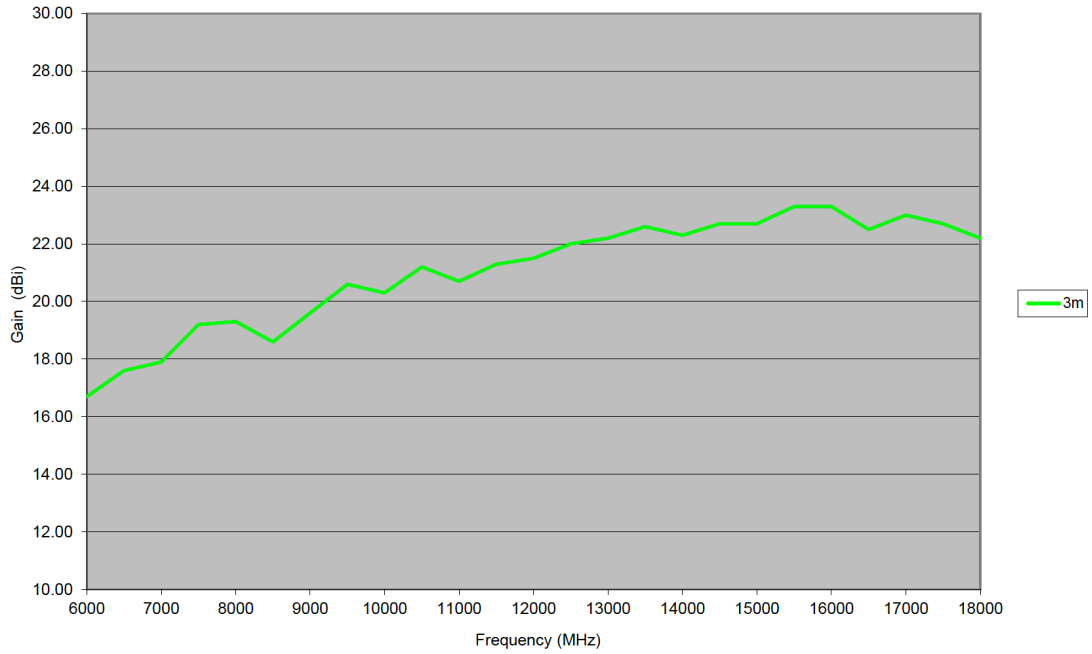


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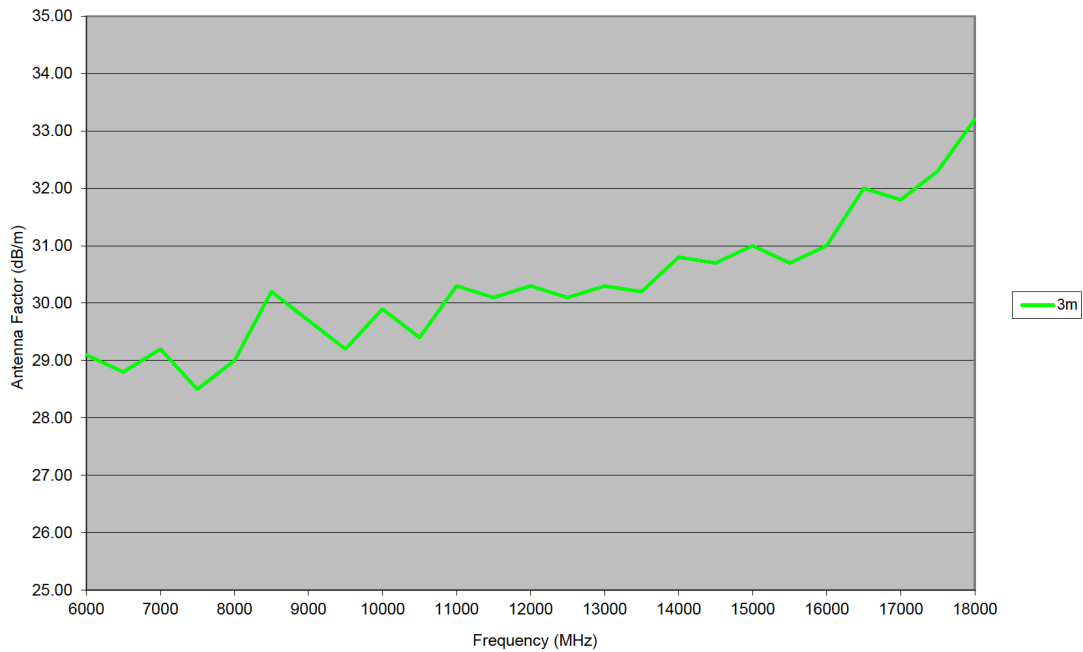


EM-6969 | Double Ridged Horn Antenna

EM-6969 Typical Gain Factors



EM-6969 Typical Antenna Factors



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