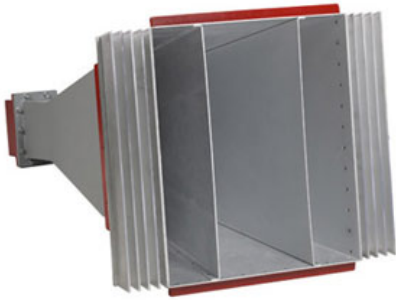


FIELD GENERATING 3162-01 Field Generating Antenna

ETS-Lindgren's Model 3162-01 Field Generating Pyramidal High Gain Horn was specifically developed for the GMW 3097 and ES-XW7T-1A278-AC specifications for radar pulse testing.



ETS-Lindgren's Model 3162-01 Field Generating Pyramidal High Gain Horn was specifically developed for the GMW 3097 and ES-XW7T-1A278-AC specifications for radar pulse testing. These tests require that the EUT be exposed to a pulsed peak field level of 600 V/m at a distance of 100 cm (3.28 ft) from the front of the horn.

Because of near field gain compression, most horns fail to meet this spec at the required test distance. The model 3162-01 optimizes the near-field behavior to overcome this problem, and produces a field level of 600 V/m with input power of less than 500 W.

Key Features

- 1.1 GHz to 1.5 GHz Frequency Range
- Generates 600 V/m with < 500W
- Meets Specs for:
 - GMW 3097
 - ES-XW7T-1A278-AC

Specifications

Electrical Specifications

Frequency Minimum: 1.1 GHz
Frequency Maximum: 1.5 GHz
Maximum Continuous Power: 550 W
Peak Power: 750 W
Impedance (Nominal) 50 Ω
VSWR Maximum: 2:1
VSWR Typical: 1.5:1
Connectors: Type N
Polarization: Linear
Pattern Type: Directional

Physical Specifications

Height: 74.68 cm (29.40 in)
Length: 160.27 cm (63.10 in)
Width: 64.77 cm (25.50 in)
Weight: 23.6 kg (52.03 lb)

Other Specifications

- Pyramidal Horn Antenna with a Coax to Waveguide Adapter
- Two-year Warranty

Product Charts
