

WR15 Standard Gain Horn Antenna

50-75 GHz | 25 dBi | P/N: AMT-SGH15-25-1.0F

1. Product Overview

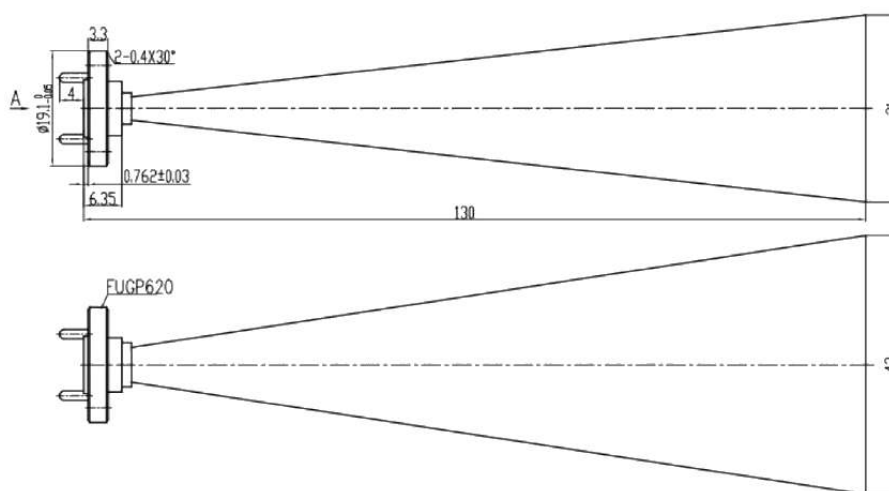
The AMT-SGH15-25-1.0F is a linearly polarized WR15 standard gain horn antenna operating from 50 GHz to 75 GHz. It provides nominal 25 dBi gain for antenna calibration and millimeter-wave measurement applications.

2. Technical Specifications

Parameter	Specification
Frequency Range	50-75 GHz
Nominal Gain	25 dBi typ.
VSWR	≤ 1.5
E-plane 3dB Beamwidth	7°-11°
H-plane 3dB Beamwidth	7°-11°
Polarization	Linear
RF Interface	FUGP620(UG-387/U) / 1.0 mm-Female
Dimensions	43 × 31 × 130 mm
Material	Copper

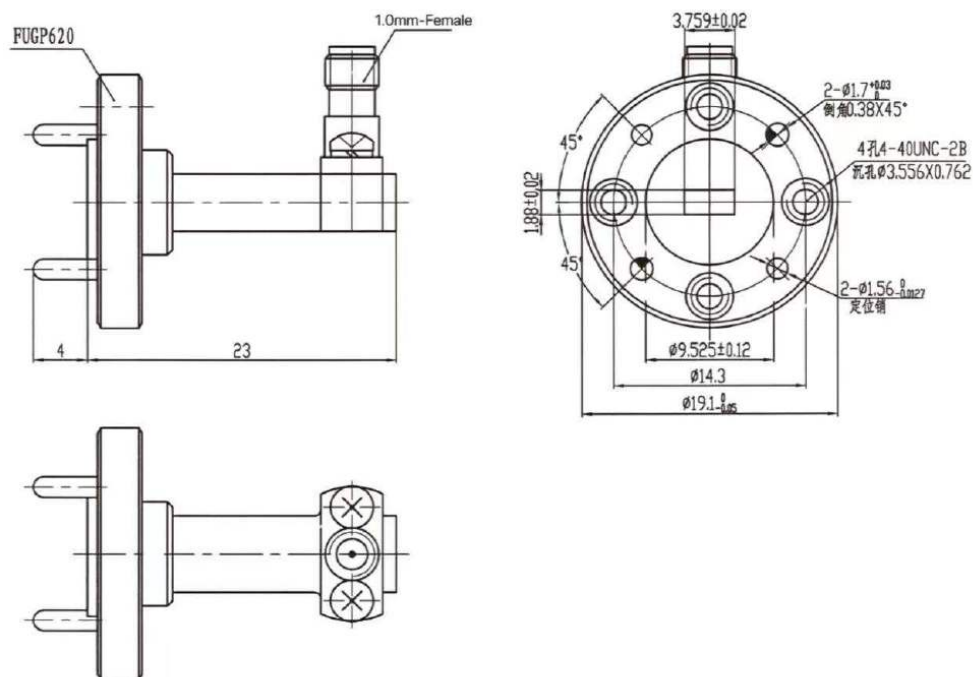
3. Outline(mm)

Flange Output (FUGP740, equivalent to UG-387/U)



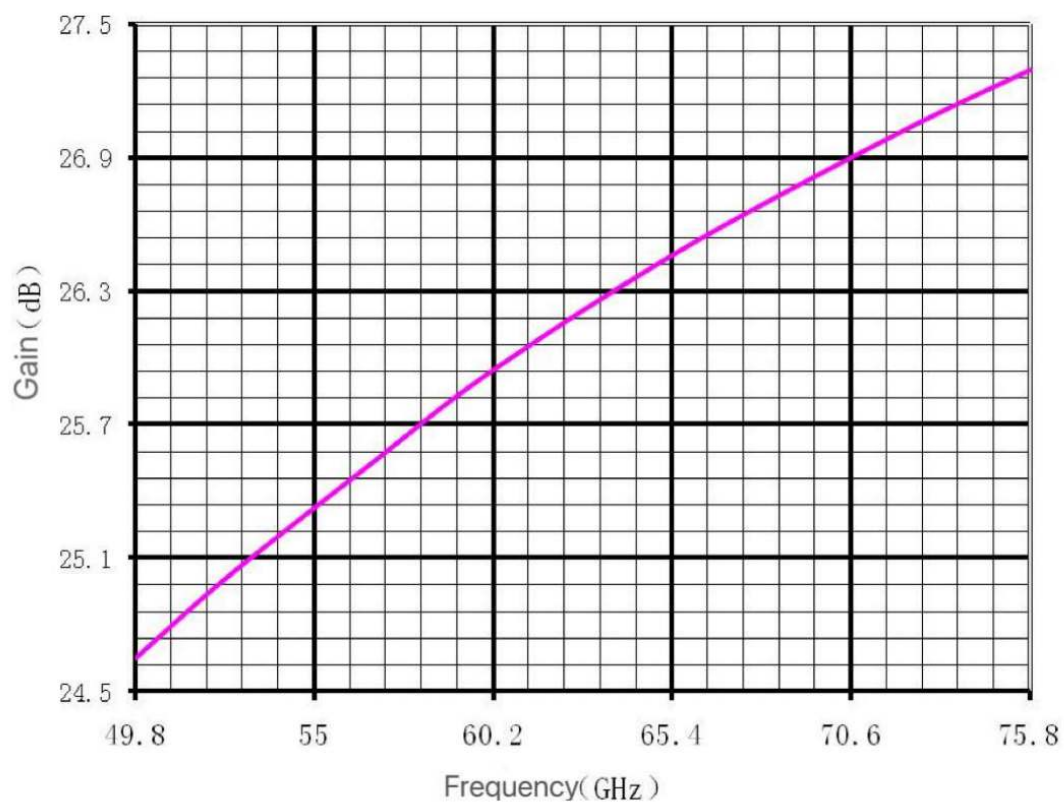
WR12 Waveguide to Coaxial Adapter with 1.0mm-female

(FUGP620, equivalent to UG-387/U)



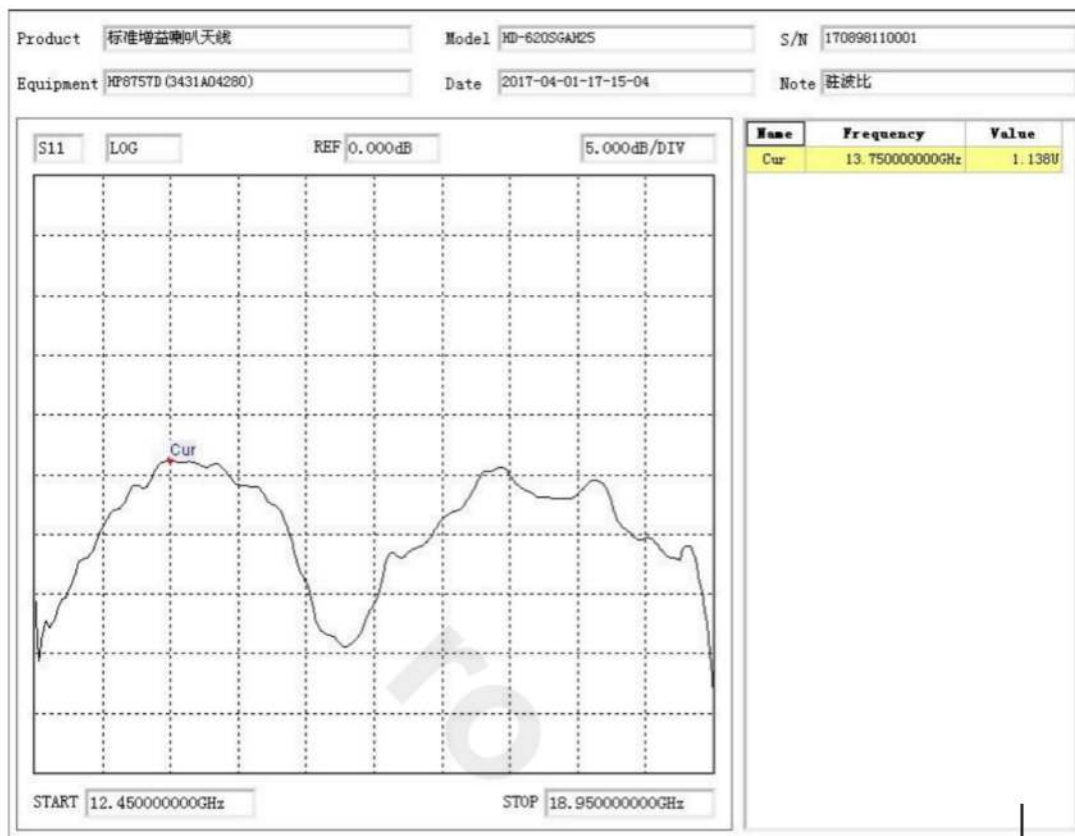
Test Result

Gain

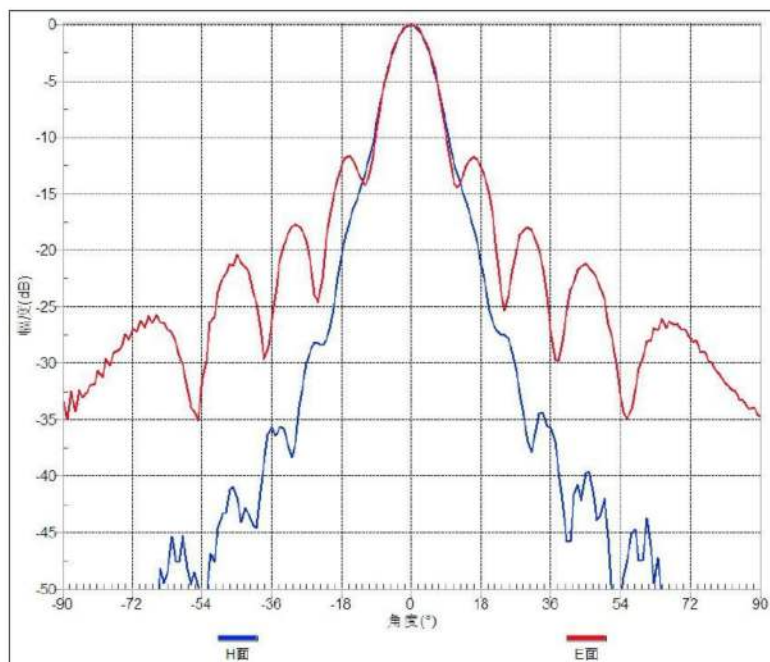




VSWR



Pattern



Frequency : 49.8GHz
H-Plane Beamwidth:
-3dB: 10.36°
E-Plane Beamwidth
-3dB: 10.58°

