

**Features:**

- Frequency Coverage: 8.2 to 170 GHz
- Rectangular Waveguide Interface
- Precise Machined and Gold Plated
- Low VSWR

Applications:

- Antenna Ranges
- Antenna Gain Measurements
- Rapid Systems Setups
- Engineering Setups

Description:

The pyramidal gain horns or rectangular gain horns are offered in both standard and custom build models with rectangular waveguide interface. The pyramidal gain horns only support linear polarization. Once the calibrated gain charts of these horns are offered, these horns can be often used to measure gain for other antennas by comparing the signal level of these gain horn. Therefore, these horns are also called standard gain horns. The standard models offer 23 dB nominal gain, 9 degrees' half power beam width and 15 dB typical sidelobe level at center frequency of the band. They operate full waveguide bandwidth and cover the frequency range 8.2 to 170 GHz. In addition to the standard models listed. Other frequency band or gain values at 25 dB are also available per request.

Band	Model No.	Frequency Range (GHz)
X	AP-2309-90	8.2 to 12.4
Ku	AP-2309-62	12.0 to 18.0
K	AP-2309-42	18.0 to 26.5
Ka	AP-2309-28	26.5 to 40.0
Q	AP-2309-22	33.0 to 50.0
U	AP-2309-19	40.0 to 60.0
V	AP-2309-15	50.0 to 75.0
E	AP-2309-12	60.0 to 90.0
W	AP-2309-10	75.0 to 110
F	AP-2309-08	90.0 to 140
D	AP-2309-06	110.0 to 170

Models:

AP-GG BW-WG

Where, GG is the linear gain in dB

BW is the 3-dB beam width in degrees

WG is the Waveguide band designator



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