

WR28 Coaxial High-Gain Pyramidal Horn Antenna

Description

Pyramidal horn antenna is one of the simple popular aperture antennas for medium-range gain. Pyramidal horn antenna, is considered as one of the most exceptional antennas with excellent performance in terms of gain, bandwidth, and radiation pattern. In general for a Pyramidal horn antenna the rectangular cross-section is flared in the both E- & H-planes to offer higher gain and symmetrical radiation pattern. It is widely used for radar systems, satellite communication, wireless power transfer, and radio astronomy. Horn antennas are also used in anechoic chambers to test the characteristics of other antennas due to their predictable and stable radiation patterns. The WR28 coaxial horn antenna shows exceptional performance in terms of bandwidth, gain, and low-side lobe level (SLL), with narrow half-power beamwidth (HPBW).



Electrical Specifications

Frequency	: 26.50 – 40.00 GHz
VSWR – All Ports	: 1.40: 1
Antenna Gain	: 18.5 ± 1.5 dB
Side-lobe Level (SLL)	: < -12 dB
HPBW (E-Plane)	: 20°
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Mechanical Specifications

Interface	: SMA (f)
Material	: Aluminum 6061
Finish	: Silver
Paint	: Black

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WR28 Coaxial High-Gain Pyramidal Horn Antenna Typical Measured Results

