Product Datasheet Product ID: OLB-08-23

EC MICROWAVE The door to the RF world

Horn Antenna

OLB-08-23 This WR-08 standard gain horn antenna has a GAIN(22-24)dBi across the band and a square cover flange. It has a frequency of (90.0-140.0)GHz .

Standard gain horn antenna OLB-08-23 is known as a waveguide horn covers WG28, WR08,R1200 bands. It is manufactured using the precision electrode cut coppersections providing accurate, consistent and reliable performance.

This antenna is suitable for Antenna Ranges ;Antenna Gain Measurements SystemSetups.

HPBW of OLB-08-23 has a V-Plane & H-Plane beam width from 13 degree to 18degree.

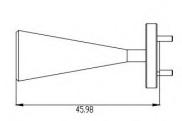
Features	
Inline Configuration	
Linear Polarization	
DC Short Circuit at Input	
High Return Loss	
Applications	

Antenna Ranges

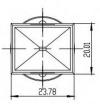
Antenna Gain Measurements	
System Setup	

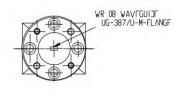
Electrical Specifications

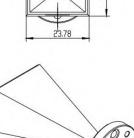
Frequency	(90-140) GHz
Gain	23dBi
Polarization Linear	Linear
3 dB Beamwidth, E-Plane	11°
3 dB Beamwidth, H-Plane	12°
Side Lobes, E-Plane	14dB
Side Lobes, H-Plane	30dB
VSWR	1.15:1



Product Dimensions

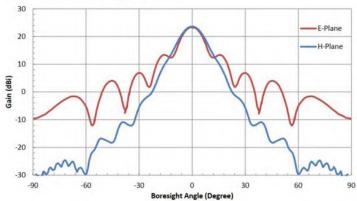




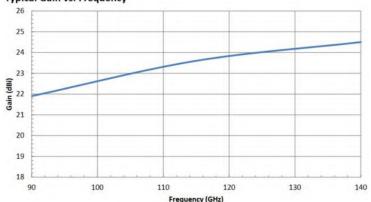


Test

Typical Antenna Pattern @ 115 GHz



Typical Gain vs. Frequency



1/1 Rev JUN-2017

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