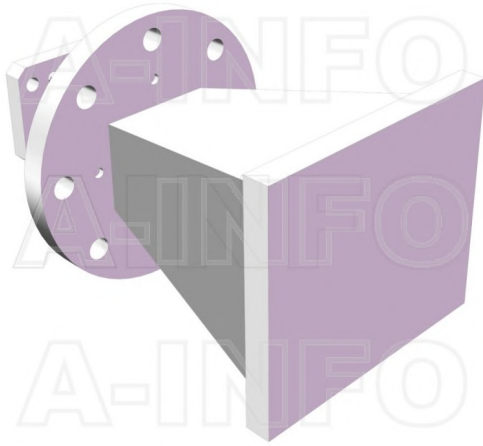


LB-110265-20-ASPO Multi Octave Horn Antenna 11-26.5GHz 10dB Gain Double Ridge Waveguide Interface



Multi Octave Horn Antenna From 11GHz to 26.5GHz With a Nominal 20dB Gain With Double Ridge Waveguide Interface

Product Information

SKU	LB-110265-20-ASPO
-----	-------------------

Description

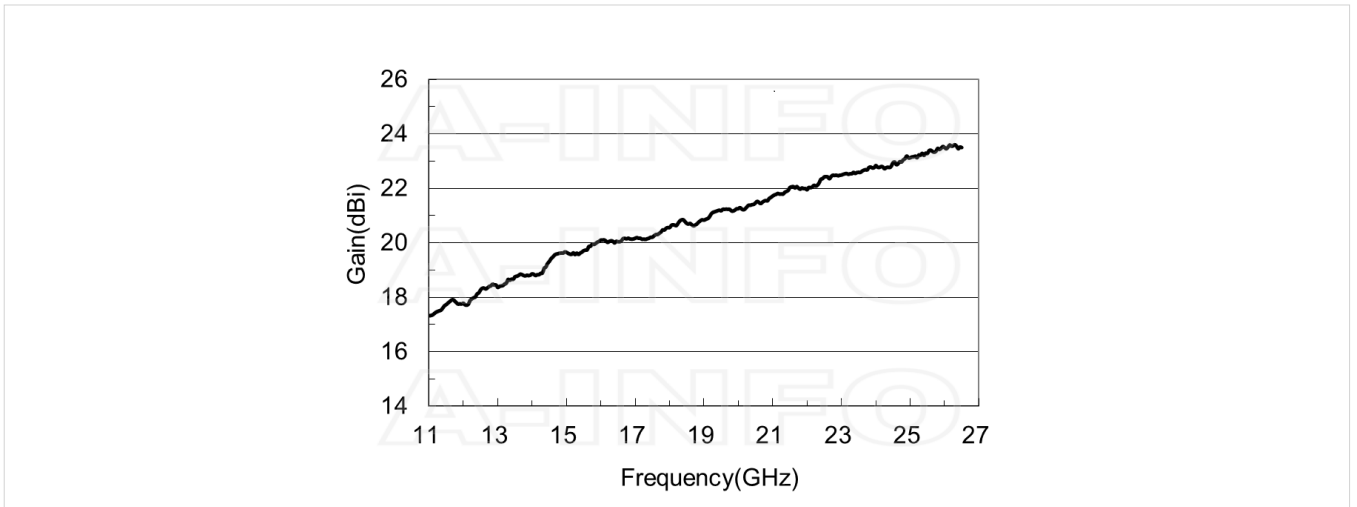
Multi octave horn antenna LB-110265-20-ASPO, operating from 11 to 26.5GHz with a nominal 20dB gain and low VSWR 1.5:1 with FPWRD110C24 output. The model LB-110265-20-ASPO has uniform gain through its frequency span, providing efficient performance characteristics and directionality. Constructed of lightweight corrosion-resistant aluminum, the horn comes with a specially designed weatherproof radome which provides excellent protection against the rain and dust but has very little loss across the full operating frequency band. This multi octave horn antenna is linearly polarized and ideally suited for EMI testing, direction finding, surveillance, antenna gain and pattern measurements and other applications.

Technical Specification

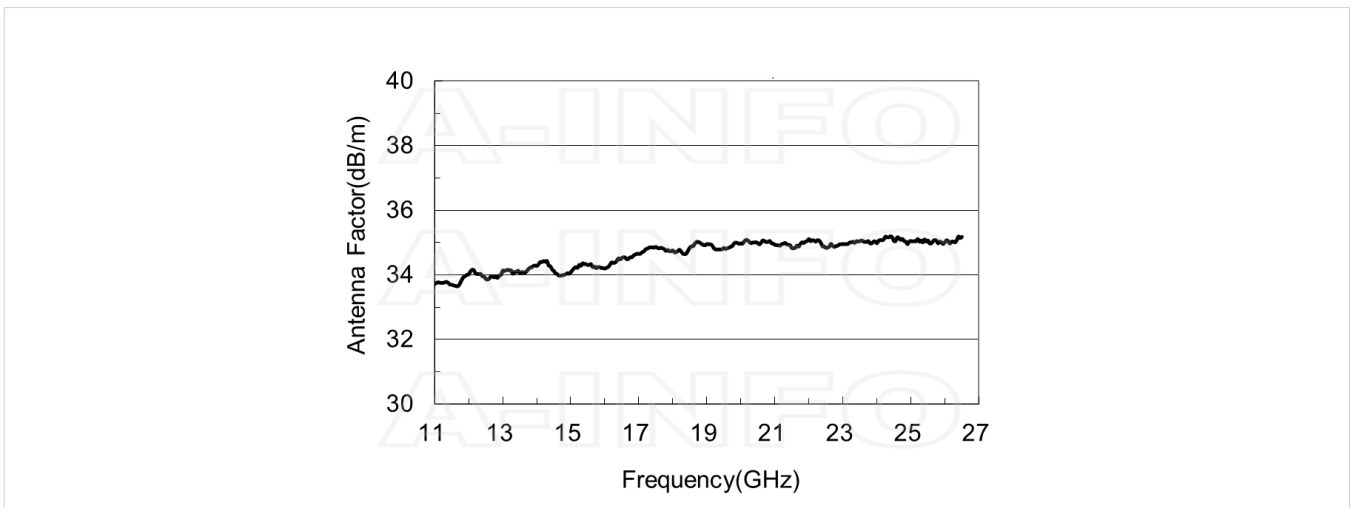
Electrical Specification		Interface	
Frequency, Min (GHz)	11	Output Type	Waveguide
Frequency, Max (GHz)	26.5	Flange Designation, WRD	FPWRD110C24
Waveguide Type	Double Ridge	Connector Gender	N/A
Waveguide Size EIA WRD	WRD110	Mechanical Specification	
Gain, Typ (dBi)	20	Figure	A Type
Polarization	Linear	Body Material	Al
3dB Beamwidth, E-Plane, Min (Deg.)	9	Finish	Chemical Conversion Coating, Gray Paint
3dB Beamwidth, E-Plane, Max (Deg.)	23	Size, W (mm)	81
3dB Beamwidth, H-Plane, Min (Deg.)	10	Size, H (mm)	70
3dB Beamwidth, H-Plane, Max (Deg.)	26	Size, L (mm)	142
Cross Pol. Isolation, Typ (dB)	40	Weight, (kg)	0.22
VSWR, Typ	1.5:1		

Typical Test Results

Gain



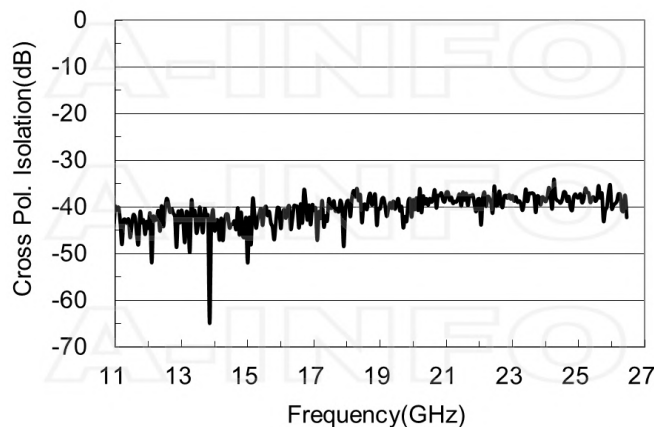
Antenna Factor



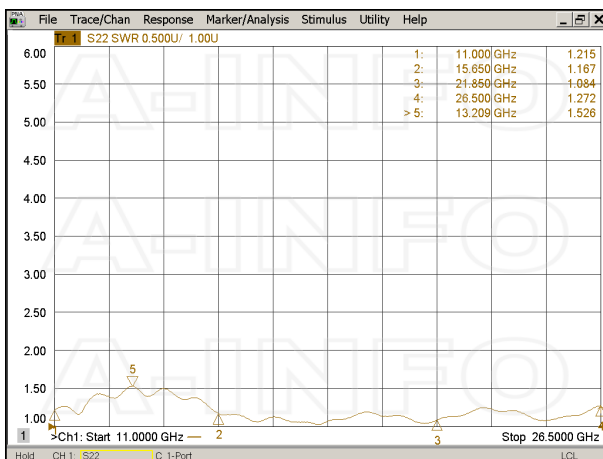
Antenna Factor (Table)

Frequency(GHz)	Gain(dBi)	AF(dB/m)
11.0	17.32	33.72
12.0	17.78	34.01
13.0	18.36	34.13
14.0	18.86	34.27
15.0	19.65	34.08
16.0	20.10	34.19
17.0	20.17	34.65
18.0	20.56	34.76
19.0	20.83	34.96
20.0	21.25	34.98
21.0	21.72	34.93
22.0	21.95	35.11
23.0	22.49	34.96
24.0	22.84	34.98
25.0	23.12	35.05
26.0	23.50	35.01
26.5	23.50	35.18

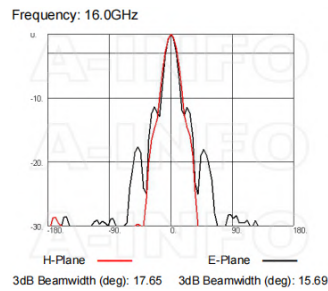
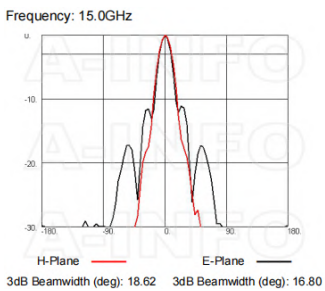
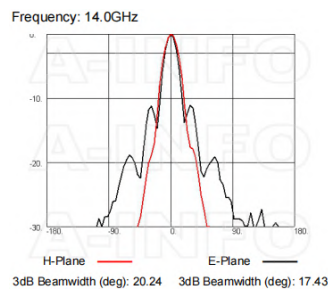
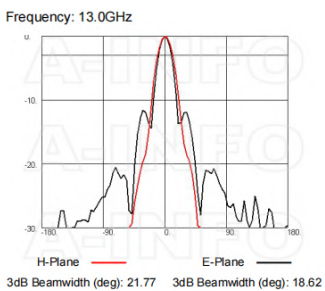
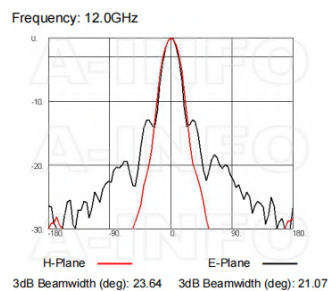
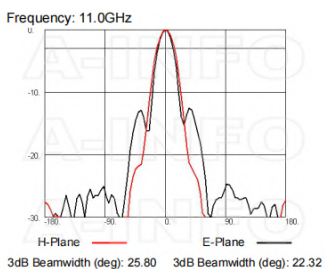
Cross Polarization Isolation



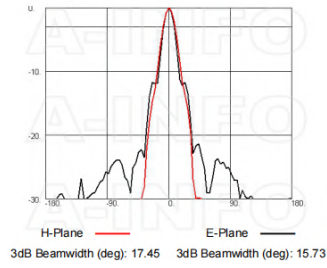
VSWR



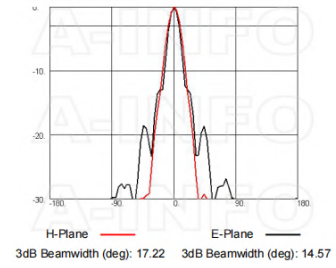
Pattern



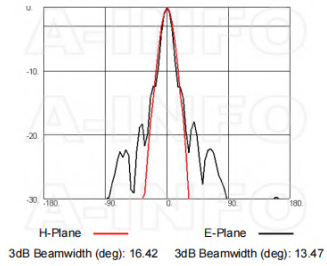
Frequency: 17.0GHz



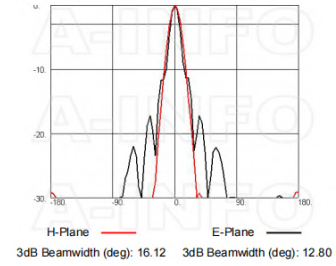
Frequency: 18.0GHz



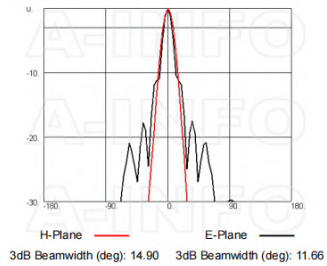
Frequency: 19.0GHz



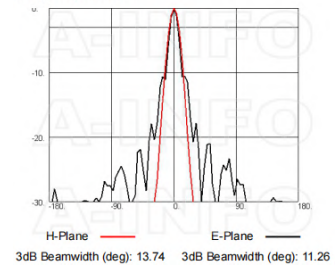
Frequency: 20.0GHz



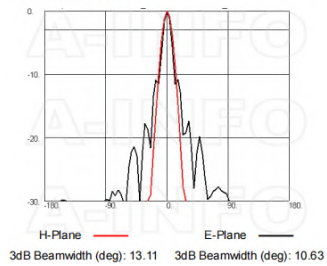
Frequency: 21.0GHz



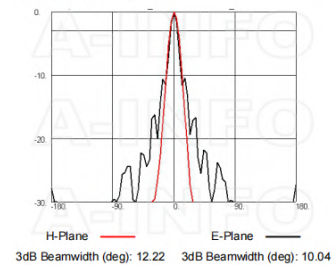
Frequency: 22.0GHz

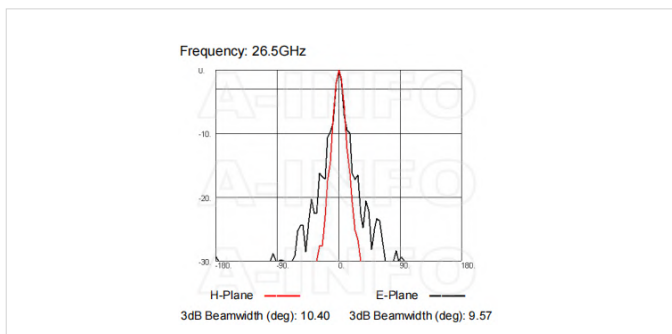
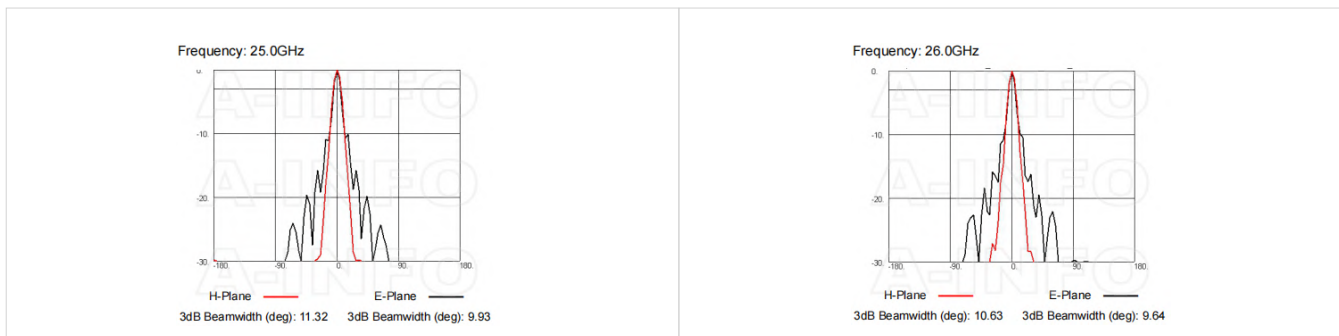


Frequency: 23.0GHz



Frequency: 24.0GHz





Related Products



Carrying Case_LB-110265-20-C Al Alloy Carrying Case



110DRWCAS_Cu Right Angle Double Ridge Waveguide to Coaxial Adapter 11-26.5GHz WRD110 to SMA Female



110DRWECAS_Cu Endlaunch Double Ridge Waveguide to Coaxial Adapter 11-26.5GHz WRD110 to SMA Female

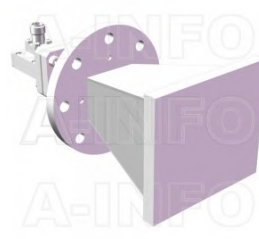
Similar Products



LB-110265-20-A Multi Octave Horn Antenna 11-26.5GHz 20dB Gain Double Ridge Waveguide Interface



LB-110265-20-C-SF Multi Octave Horn Antenna 11-26.5GHz 20dB Gain SMA Female



LB-110265-20-C-SFSPO Multi Octave Horn Antenna 11-26.5GHz 20dB Gain SMA Female

About this Datasheet

<ul style="list-style-type: none">● Product Information <p>Product Link: https://www.ainfoinc.com/lb-110265-20-aspo-multi-octave-horn-antenna-11-26-5-ghz-20db-gain-fpwr110c24 Data subject to change without notice. © A-INFO INC. 2024. All Rights Reserved</p>	<ul style="list-style-type: none">● Contact Us <p>Address: 60 Tesla, Irvine, CA 92618, USA</p> <p>Website: www.ainfoinc.com</p> <p>Email: sales@ainfoinc.com</p>	<ul style="list-style-type: none">● Phone & Fax <p>Phone: +1-949-639-9688 +1-949-639-9608</p> <p>Fax: +1-949-639-9670</p>
--	---	--