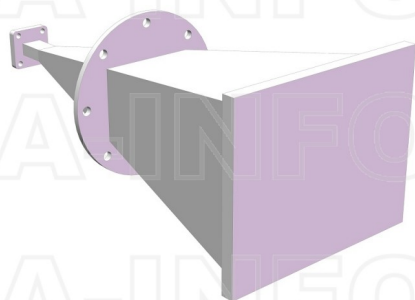


LB-34-25-A2SPO Standard Gain Horn Antenna 22-33GHz 25dB Gain Rectangular Waveguide Interface

Standard Gain Horn Antenna Operating From 22GHz to 33GHz With a Nominal 25dB Gain With Rectangular Waveguide Interface



Product Information

SKU	LB-34-25-A2SPO
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Description

Standard Gain Horn Antenna LB-34-25-A2SPO, operating from 22 to 33GHz with a nominal 25dB gain and low VSWR 1.15:1 with FBP260 output. The model LB-34-25-A2SPO 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 standard gain horn antenna is linearly polarized and ideally suited for EMI testing, direction finding, surveillance, antenna gain and pattern measurements and other applications.

Technical Specification

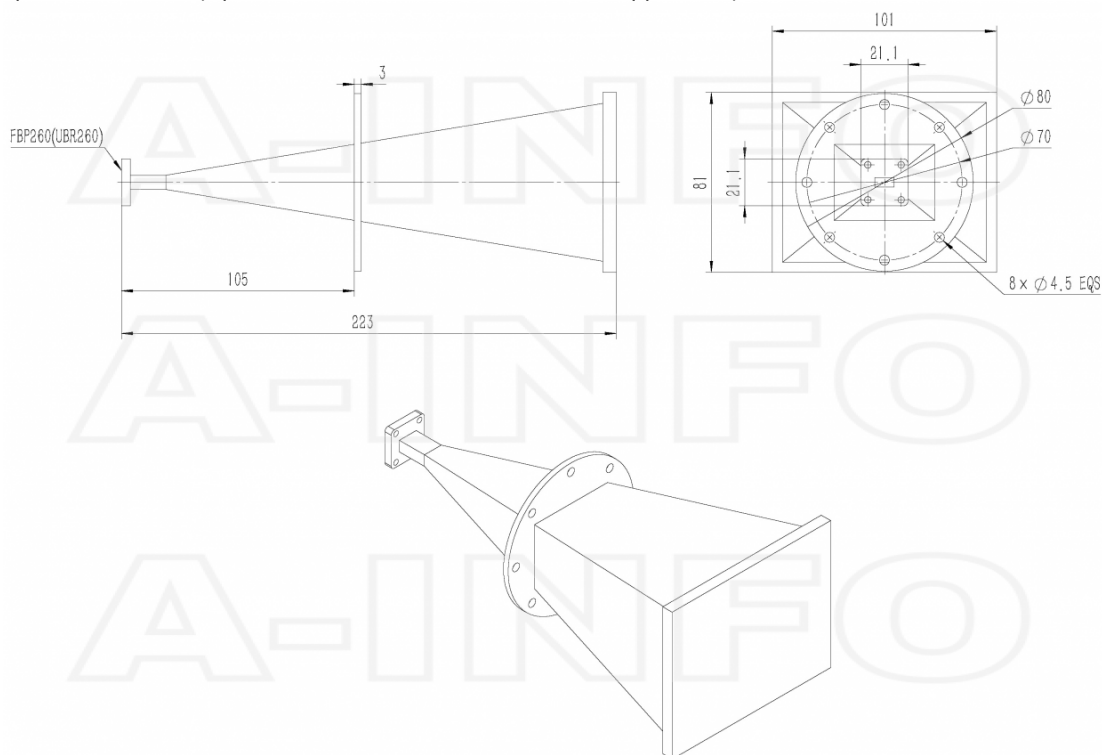
Electrical Specification		Interface	
Frequency, Min (GHz)	22	Output Type	Waveguide
Frequency, Max (GHz)	33	Flange Style	Square
Waveguide Type	Rectangular	Flange Type	Cover
Waveguide Size EIA WR	WR34	Flange Designation	FBP260(UBR260)
Gain, Typ (dBi)	25	Connector Gender	N/A
Polarization	Linear	Mechanical Specification	
3dB Beamwidth, E-Plane, Typ (Deg.)	8	Figure	A Type
3dB Beamwidth, H-Plane, Typ (Deg.)	10	Body Material	Cu
Cross Pol. Isolation, Typ (dB)	40	Finish	Silver Plated, Gray Paint
VSWR, Typ	1.15:1	Size, W (mm)	101
		Size, H (mm)	81
		Size, L (mm)	223
		Weight, (kg)	0.4

Additional Information

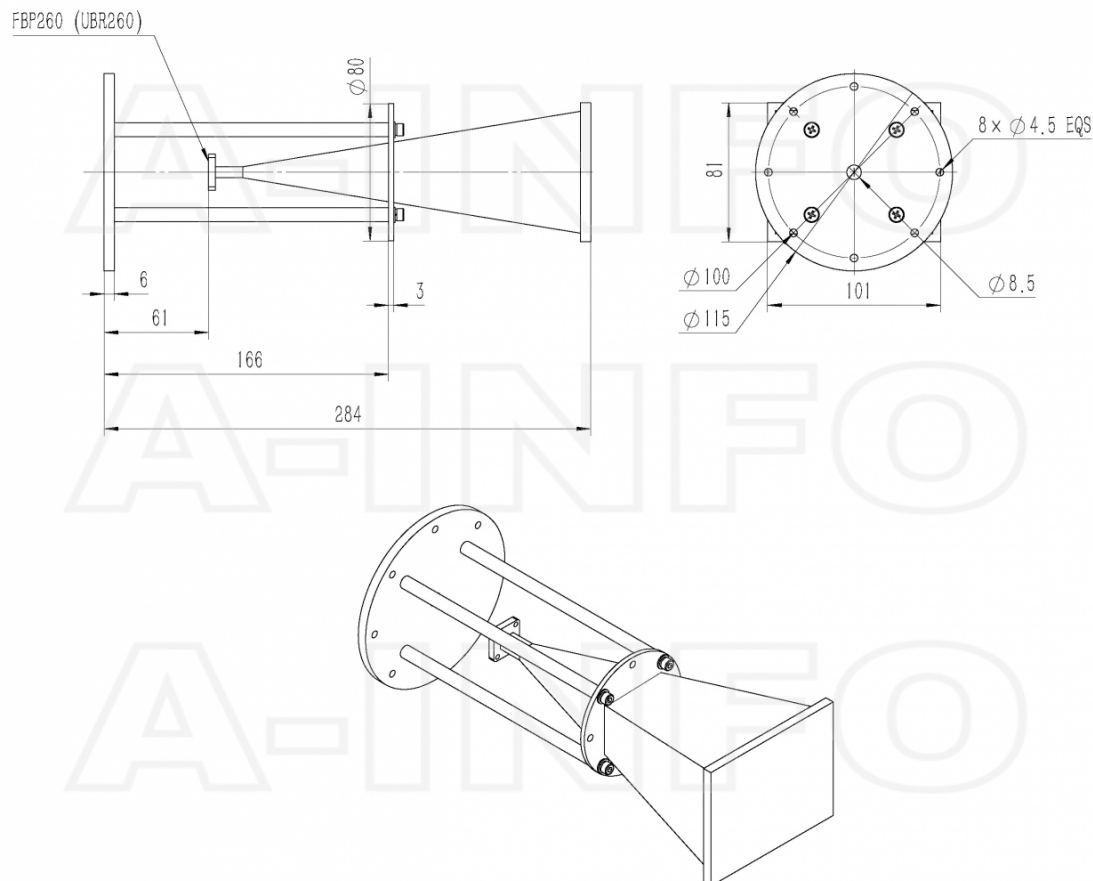
Application	Outdoor, Waterproof and Dustproof, Fixed	Solution for	Gain Reference Antenna Measurement Reflector Feed Far-field Measurement System Intergration Material Measurement
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Outline Drawing

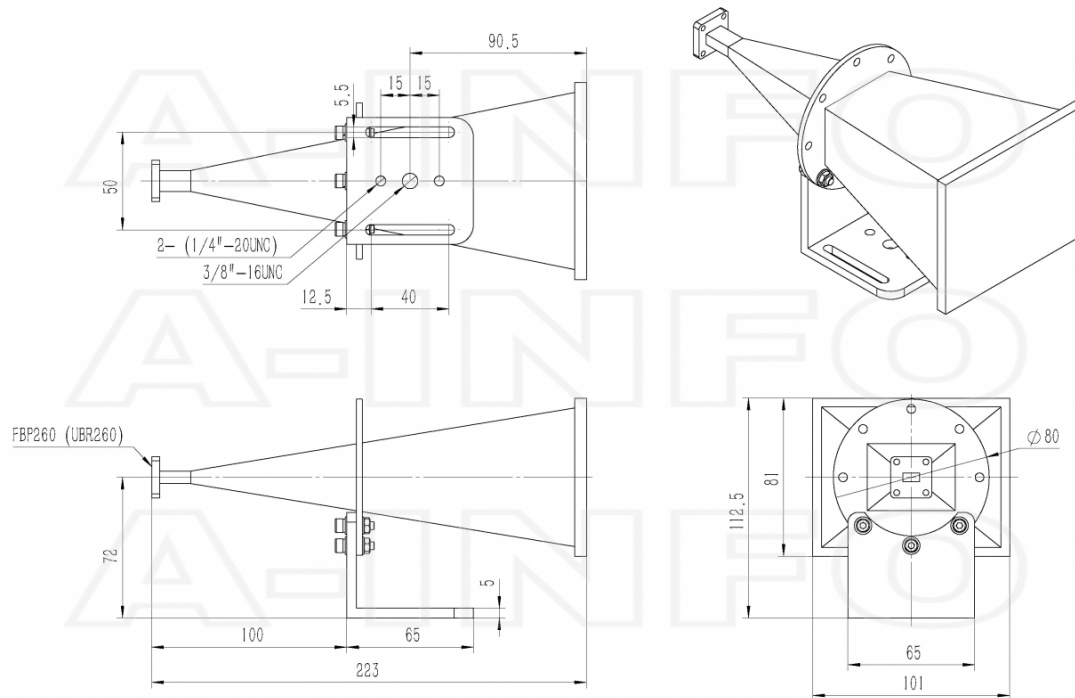
FBP260 Output with Radome (Option, P/N: LB-34-25-A2SPO, Outdoor Application)



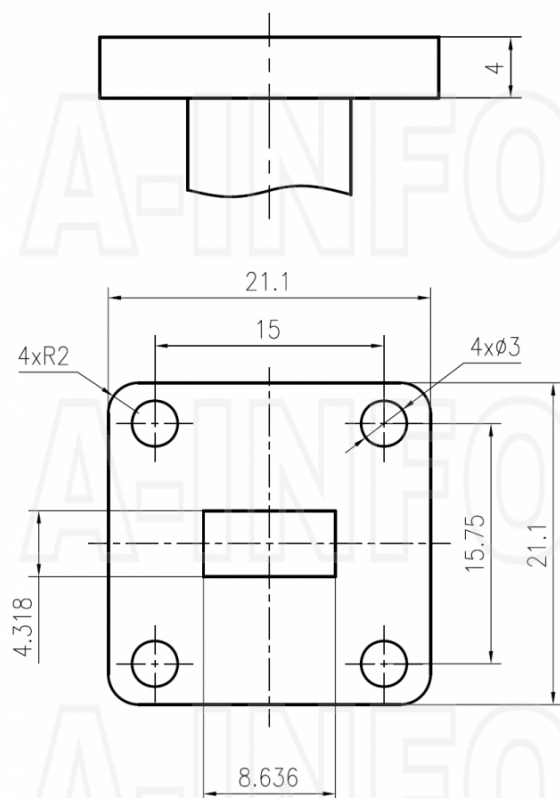
FBP260 Output with Round Mounting Bracket & Radome (Option, P/N: LB-34-25-MB2 & LB-34-25-A2SPO, Outdoor Application)



FBP260 Output with L Type Mounting Bracket & Radome (Option, P/N: LB-34-25-L2 & LB-34-25-A2SPO, Outdoor Application)



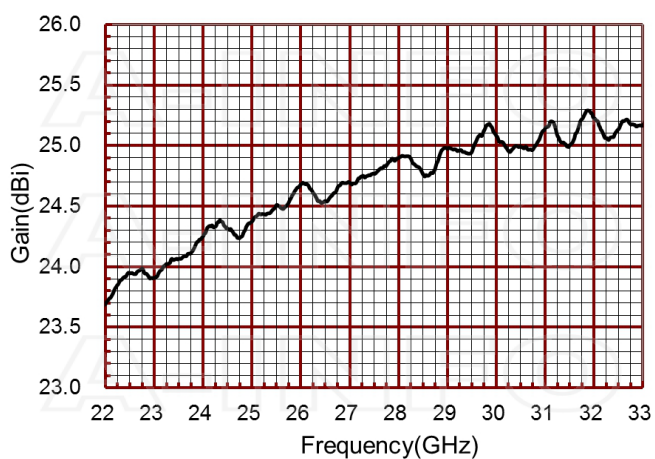
Flange Drawing



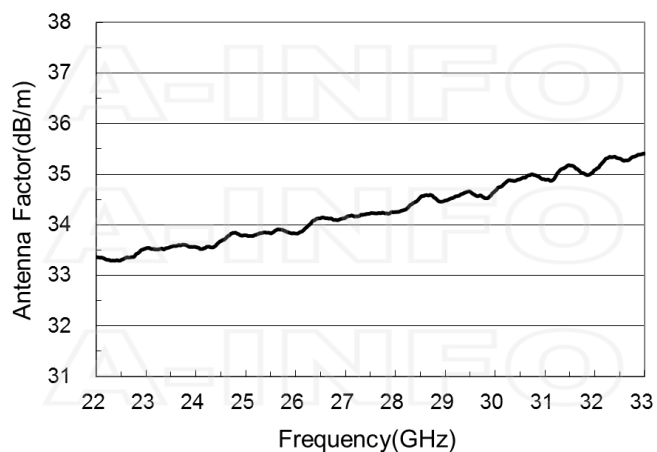
FBP260

Typical Test Results

Gain



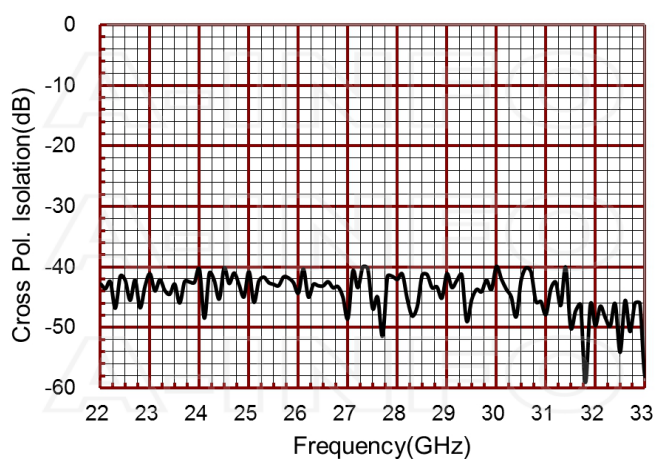
Antenna Factor



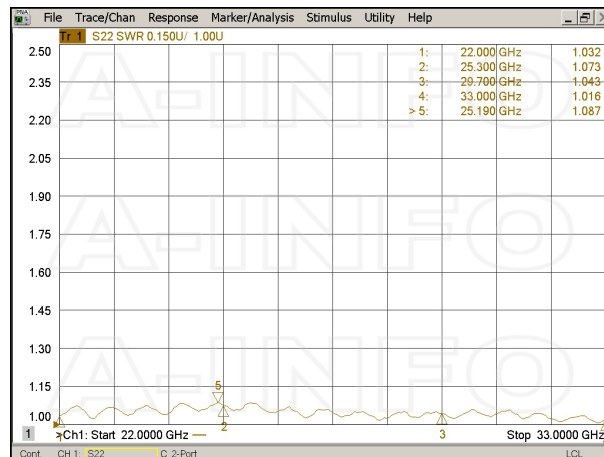
Antenna Factor (Table)

Frequency (GHz)	Gain (dBi)	Antenna Factor (dB/m)		Frequency (GHz)	Gain (dBi)	Antenna Factor (dB/m)
22.0	23.69	33.37		28.0	24.90	34.26
22.5	23.95	33.31		28.5	24.76	34.54
23.0	23.91	33.54		29.0	24.97	34.48
23.5	24.06	33.57		29.5	24.95	34.66
24.0	24.25	33.56		30.0	25.08	34.67
24.5	24.31	33.68		30.5	24.99	34.90
25.0	24.37	33.80		31.0	25.14	34.90
25.5	24.51	33.83		31.5	25.00	35.18
26.0	24.68	33.83		32.0	25.23	35.09
26.5	24.54	34.13		32.5	25.13	35.31
27.0	24.69	34.14		33.0	25.17	35.41
27.5	24.77	34.23				

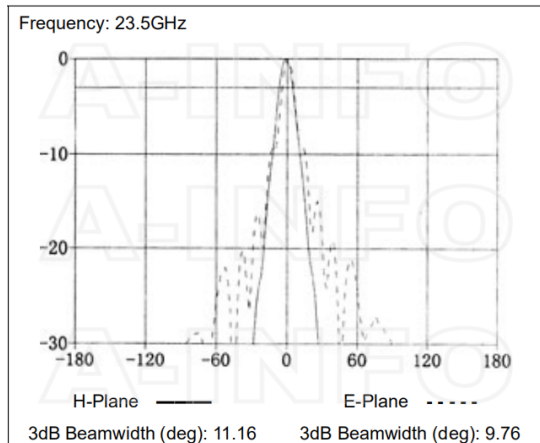
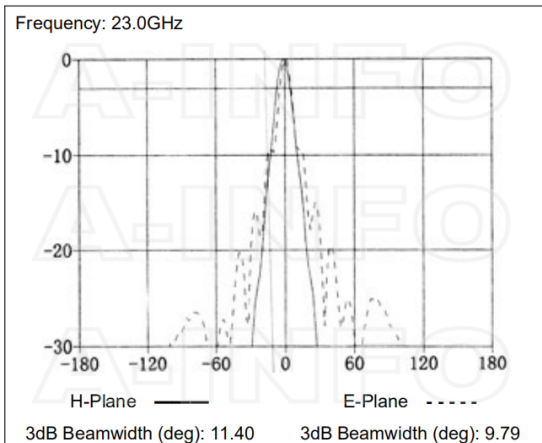
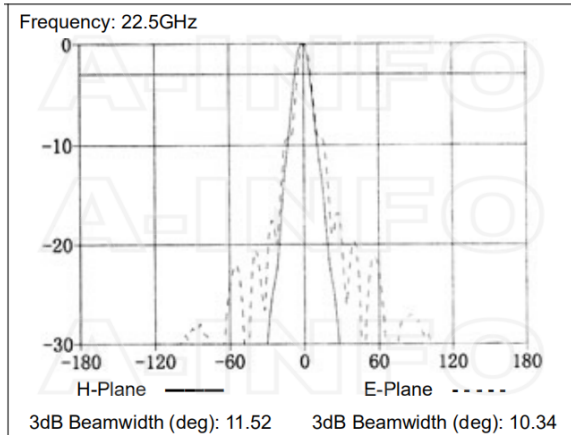
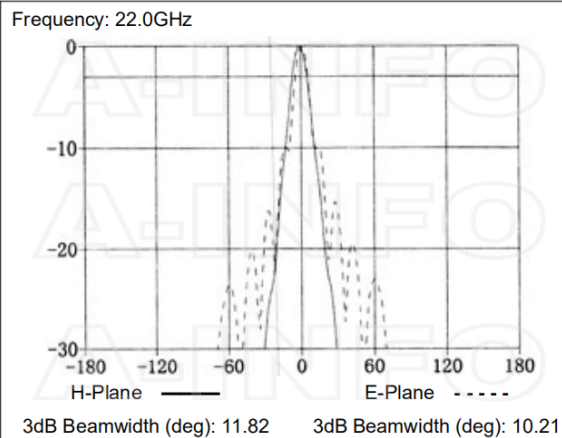
Cross Polarization Isolation

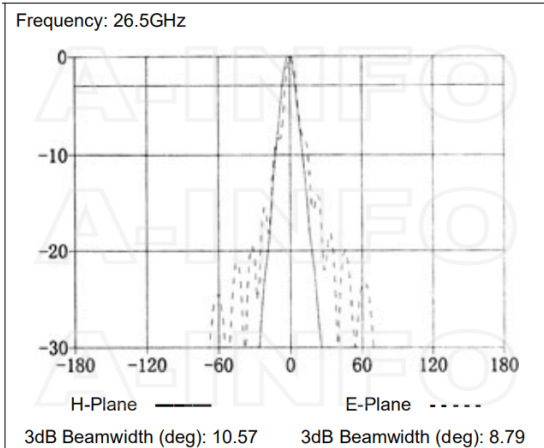
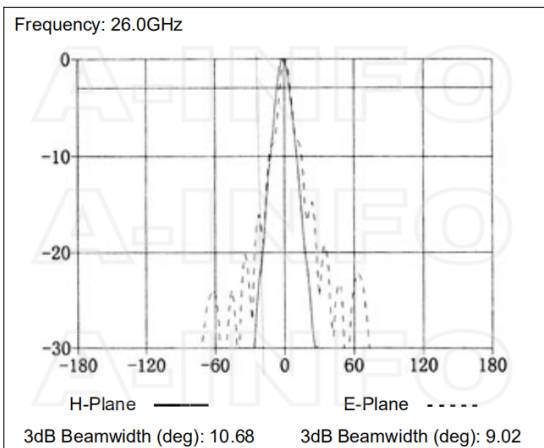
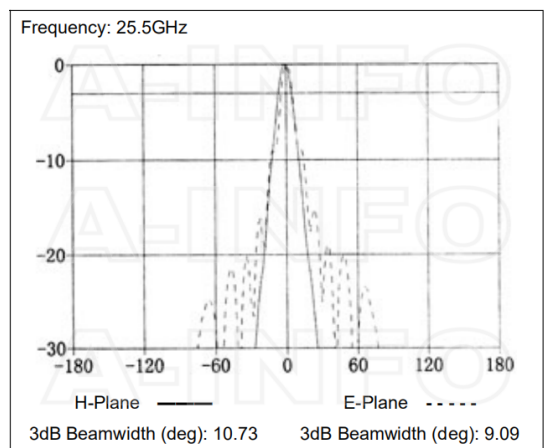
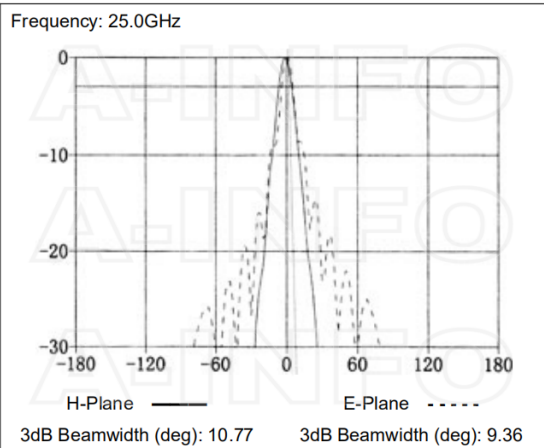
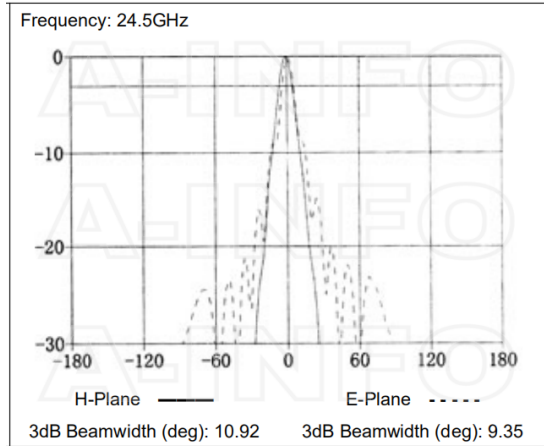
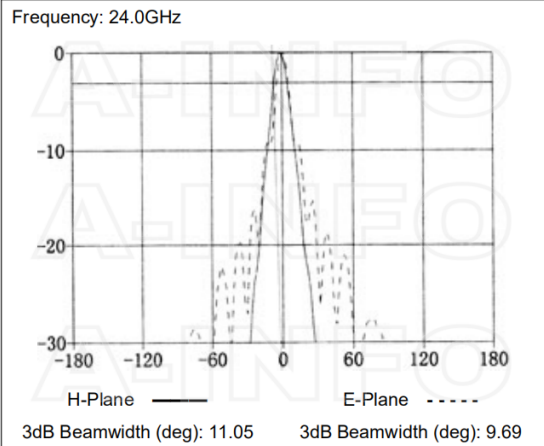


VSWR

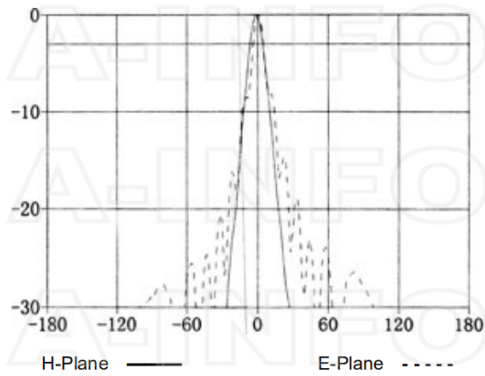


Pattern



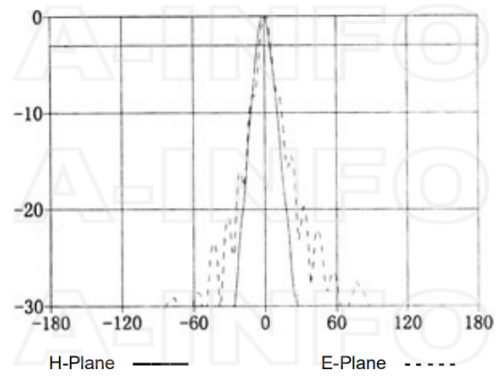


Frequency: 27.0GHz



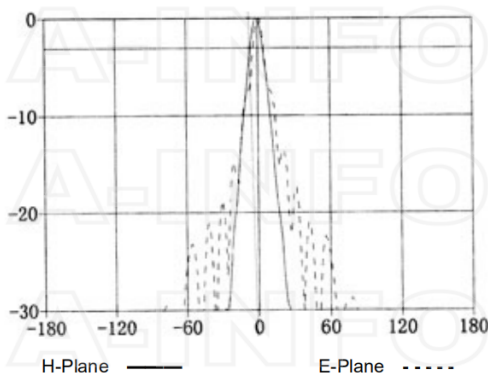
3dB Beamwidth (deg): 10.64 3dB Beamwidth (deg): 8.50

Frequency: 27.5GHz



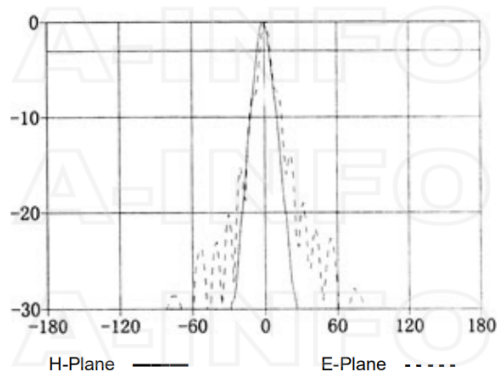
3dB Beamwidth (deg): 10.43 3dB Beamwidth (deg): 8.80

Frequency: 28.0GHz



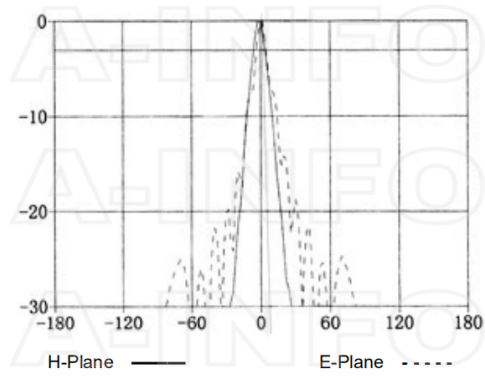
3dB Beamwidth (deg): 10.31 3dB Beamwidth (deg): 8.60

Frequency: 28.5GHz



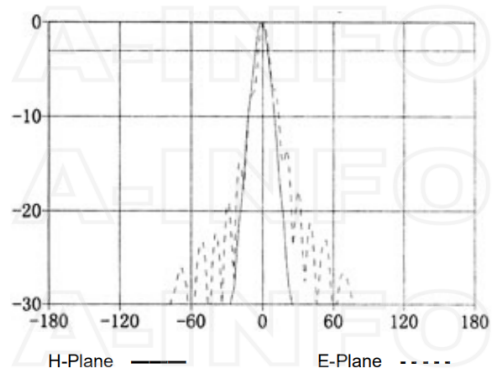
3dB Beamwidth (deg): 9.99 3dB Beamwidth (deg): 8.29

Frequency: 29.0GHz

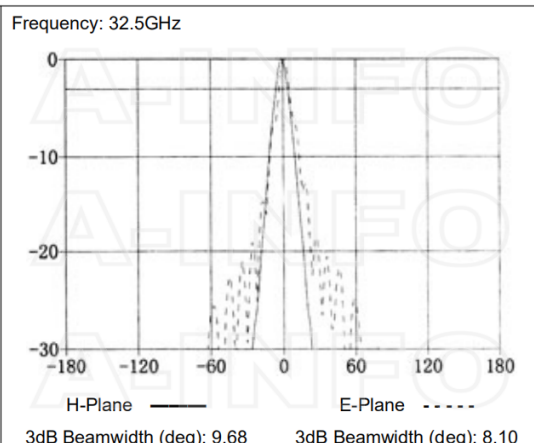
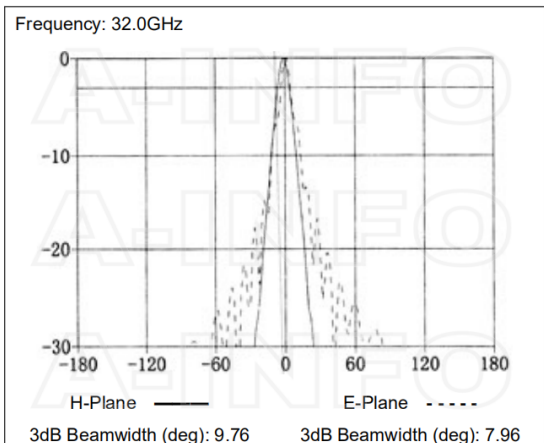
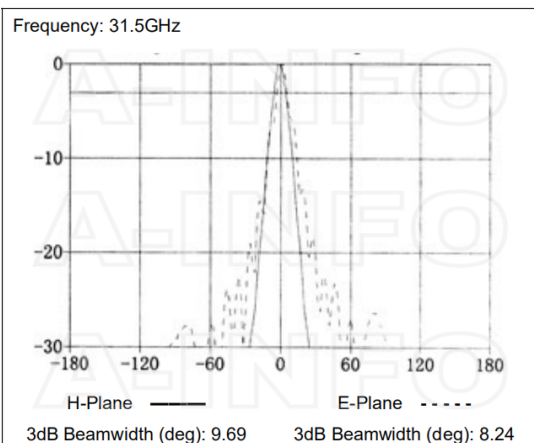
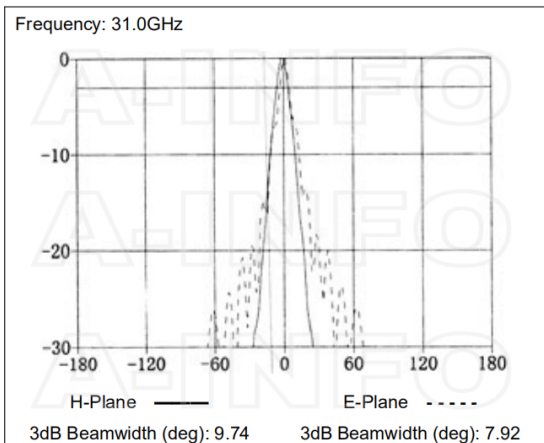
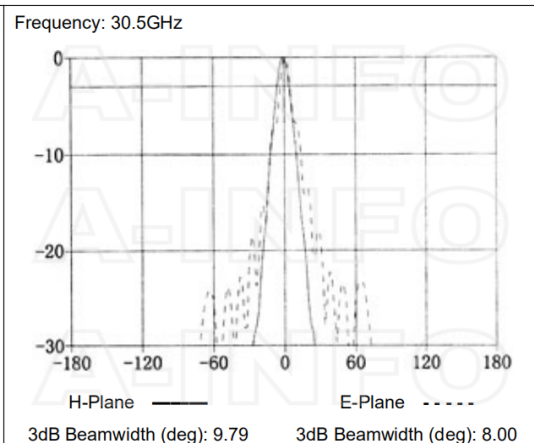
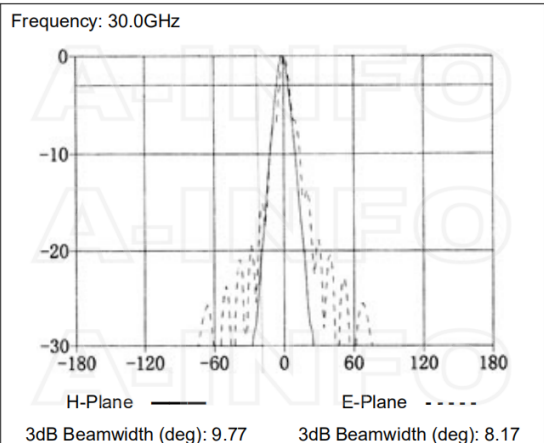


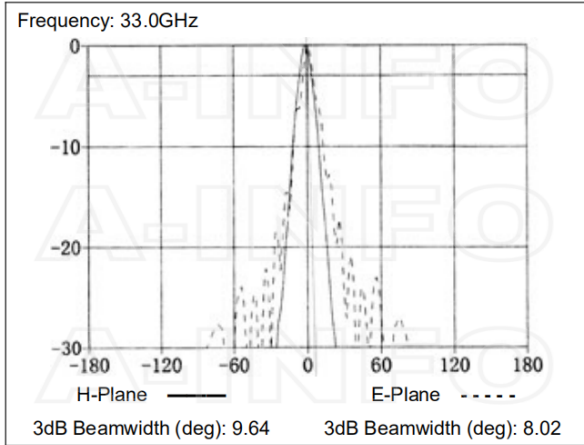
3dB Beamwidth (deg): 9.88 3dB Beamwidth (deg): 8.25

Frequency: 29.5GHz



3dB Beamwidth (deg): 9.88 3dB Beamwidth (deg): 8.24





Related Products



34WCAK_Cu Right Angle Rectangular Waveguide to Coaxial Adapter 22-33GHz WR34 to 2.92mm Female



34WCAKM_Cu Right Angle Rectangular Waveguide to Coaxial Adapter 22-33GHz WR34 to 2.92mm Male



34WCA2.4_Cu Right Angle Rectangular Waveguide to Coaxial Adapter 22-33GHz WR34 to 2.4mm Female



34WCA2.4M_Cu Right Angle Rectangular Waveguide to Coaxial Adapter 22-33GHz WR34 to 2.4mm Male



34WCA3.5_Cu Right Angle Rectangular Waveguide to Coaxial Adapter 22-33GHz WR34 to 3.5mm Female



34WCA3.5M_Cu Right Angle Rectangular Waveguide to Coaxial Adapter 22-33GHz WR34 to 3.5mm Male



34WECAK_Cu Endlaunch Rectangular Waveguide to Coaxial Adapter 22-33GHz WR34 to 2.92mm Female



LB-34-25-MB2 Round Type Mounting Bracket



LB-34-25-L2 L type mounting bracket



Tripod_15Kg Al Alloy Tripod



3033HL Wooden Tripod



3033QM Wooden Tripod Metalfree



Carrying Case_LB-34-25-C2 Al Alloy Carrying Case



M3x14 Hex_Pack WR42- WR34 Flange Assembly Pack

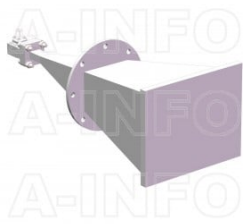
Similar Products



LB-34-25-A2 Standard Gain Horn Antenna 22-33GHz 25dB Gain Rectangular Waveguide Interface



LB-34-25-C2-KF Standard Gain Horn Antenna 22-33GHz 25dB Gain 2.92mm Female



LB-34-25-C2-KFSPO Standard Gain Horn Antenna 22-33GHz 25dB Gain 2.92mm Female

About this Datasheet

● Product Information Product Link: https://www.ainfoinc.com/lb-34-25-a2spo-standard-gain-horn-antenna-22-33-ghz-25db-gain-fbp260 Data subject to change without notice. © A-INFO INC. 2023. All Rights Reserved	● Contact Us Address:dd 60 Tesla, Irvine, CA 92618, USA Website: www.ainfoinc.com Email: sales@ainfoinc.com	● Phone & Fax Phone: +1-949-639-9688 +1-949-639-9608 Fax: +1-949-639-9670
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