



LB-28-20-64-C-KF Frequency Extended Standard Gain Horn Antenna
22.5-45GHz 20dB Gain 2.92mm Female

Frequency Extended Standard Gain Horn Antenna Operating From
22.5GHz to 45GHz With a Nominal 20dB Gain With 2.92mm Female
Connector

Product Information

SKU	LB-28-20-64-C-KF	Patents	ZL202130553080.4 (China) ZL202220615760.3 (China)
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Description

Frequency Extended Standard Gain Horn Antenna LB-28-20-64-C-KF, operating from 22.5 to 45GHz with a nominal 20dB gain and low VSWR 1.40:1 with 2.92mm Female connector output. The model LB-28-20-64-C-KF has uniform gain through its frequency span, providing efficient performance characteristics and directionality. It can handle 20W continuously and 40W peak power. Constructed of lightweight corrosion-resistant aluminum, the antenna will provide years of trouble-free indoor and outdoor service. 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

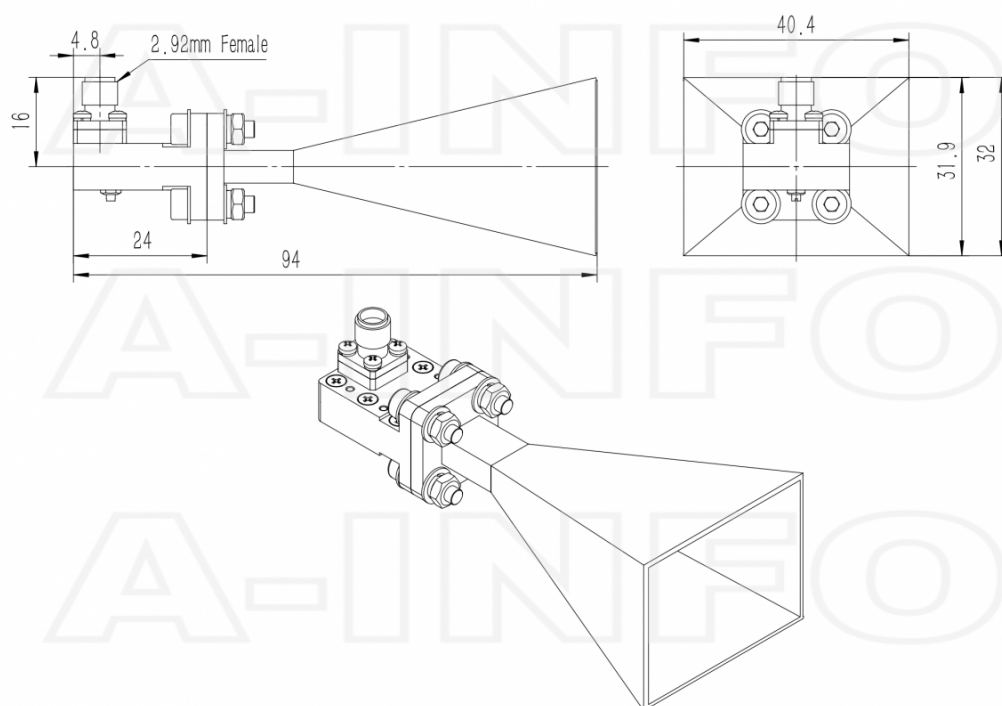
Electrical Specification		Interface	
Frequency, Min (GHz)	22.5	Output Type	Coaxial
Frequency, Max (GHz)	45	Connector	2.92mm(K)
Waveguide Type	Rectangular	Connector Gender	Female
Waveguide Size EIA WR	WR28	Mechanical Specification	
Gain, Typ (dBi)	20	Figure	C Type
Polarization	Linear	Body Material	Cu
3dB Beamwidth, E-Plane, Typ (Deg.)	16	Finish	Gold Plated and Silver Plated, Gray Paint
3dB Beamwidth, H-Plane, Typ (Deg.)	17	Size, W (mm)	40.4
Cross Pol. Isolation, Typ (dB)	40	Size, H (mm)	32.7
VSWR, Typ	1.40:1	Size, L (mm)	92.8
Impedance, (Ohm)	50	Weight, (kg)	0.09
Power Handling, CW, (W)	20		
Power Handling, Peak, (W)	40		

Additional Information

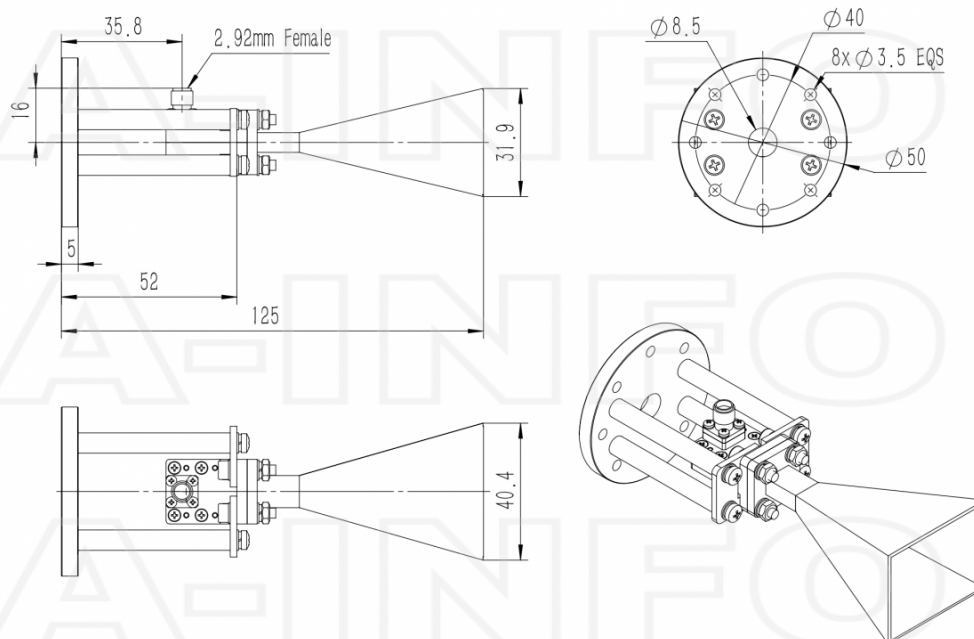
Application	General Purpose Indoor & Outdoor, Fixed	Solution for	Gain Reference Antenna Measurement Reflector Feed Far-field Measurement System Intergration Material Measurement
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Outline Drawing

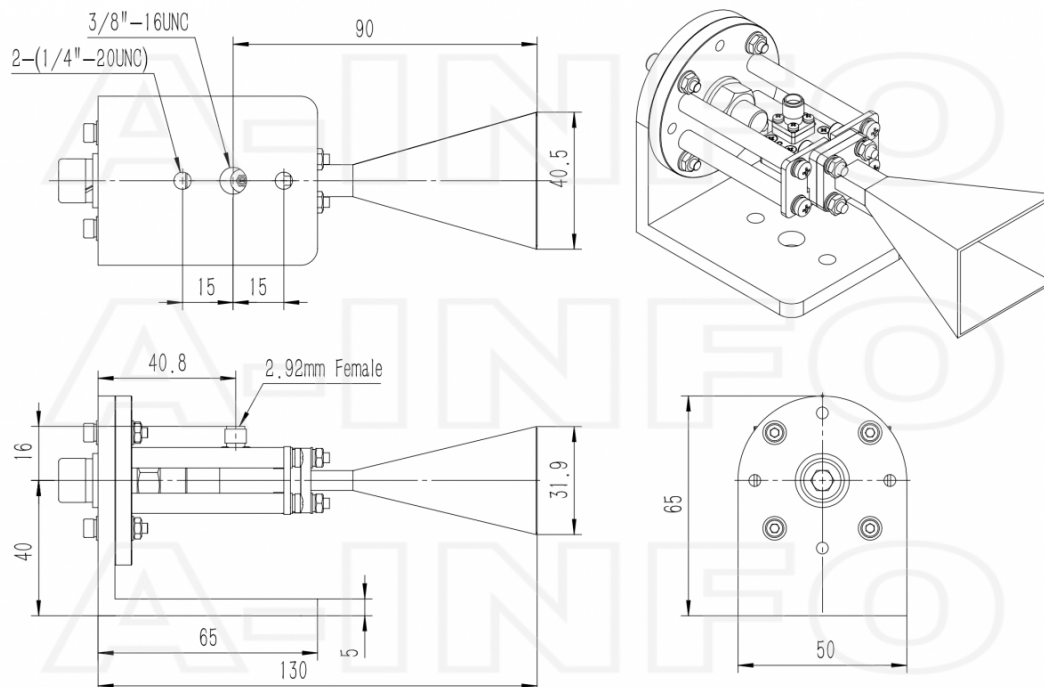
2.92mm-Female Output (P/N: LB-28-20-64-C-KF)



2.92mm-Female Output with Round Mounting Bracket (Option, P/N: LB-28-10-C-MB)

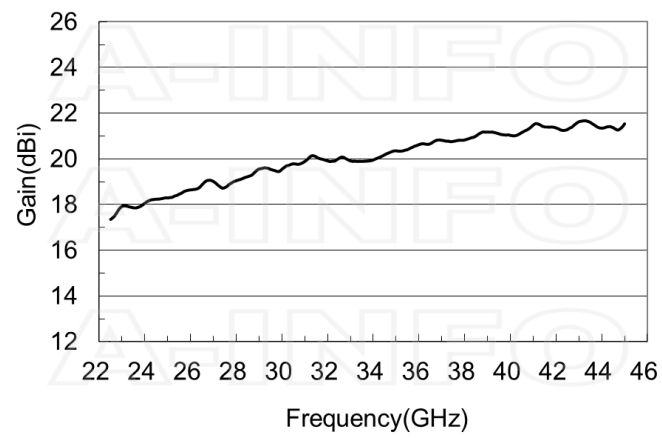


2.92mm-Female Output with L Type Mounting Bracket (Option, P/N: LB-28-10-C-MBL)

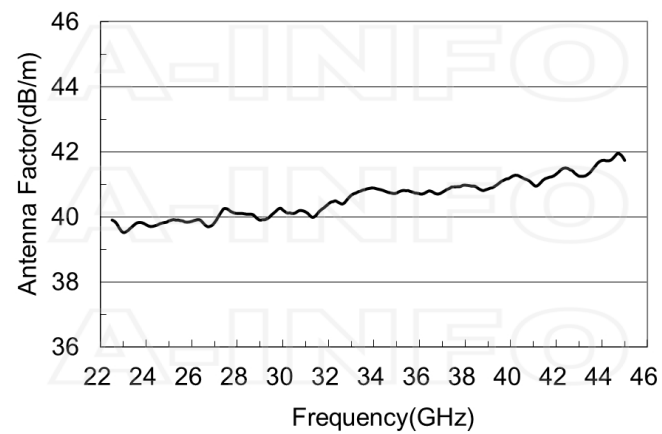


Typical Test Results

Gain



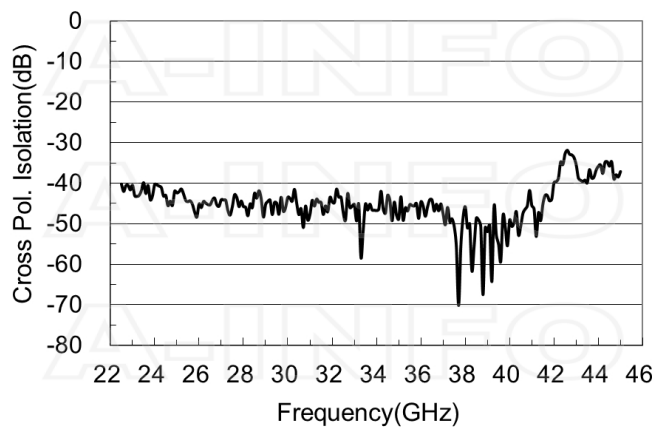
Antenna Factor



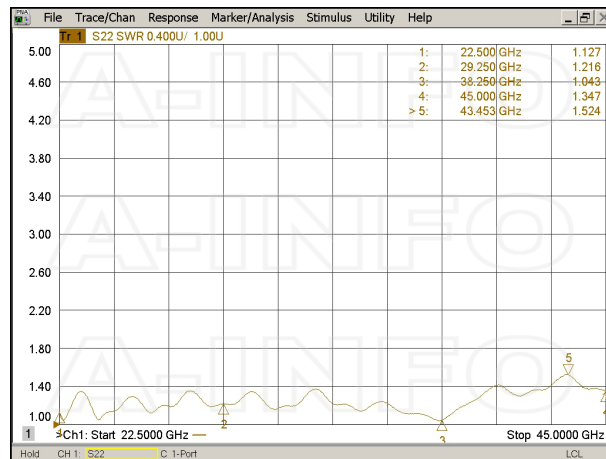
Antenna Factor (Table)

Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
22.5	17.35	39.90
23.0	17.93	39.52
24.0	18.06	39.76
25.0	18.29	39.88
26.0	18.65	39.86
27.0	19.01	39.83
28.0	19.05	40.11
29.0	19.56	39.90
30.0	19.54	40.21
31.0	19.89	40.15
32.0	19.91	40.40
33.0	19.91	40.67
34.0	19.95	40.89
35.0	20.35	40.74
36.0	20.63	40.71
37.0	20.82	40.76
38.0	20.83	40.98
39.0	21.18	40.86
40.0	21.03	41.22
41.0	21.48	40.99
42.0	21.35	41.32
43.0	21.63	41.25
44.0	21.34	41.74
45.0	21.54	41.74

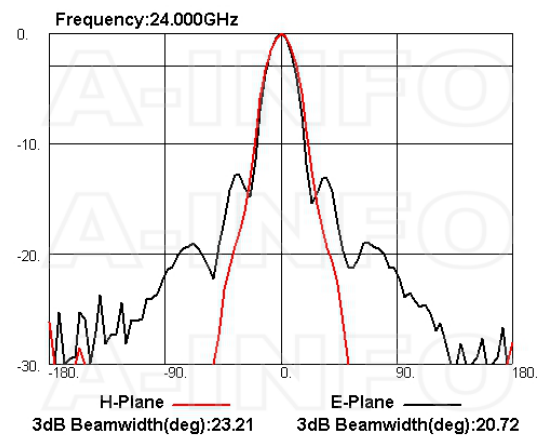
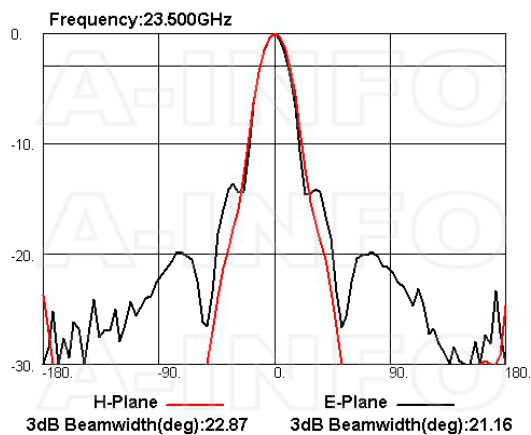
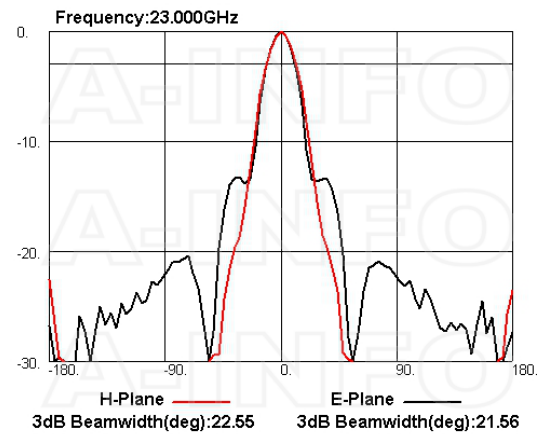
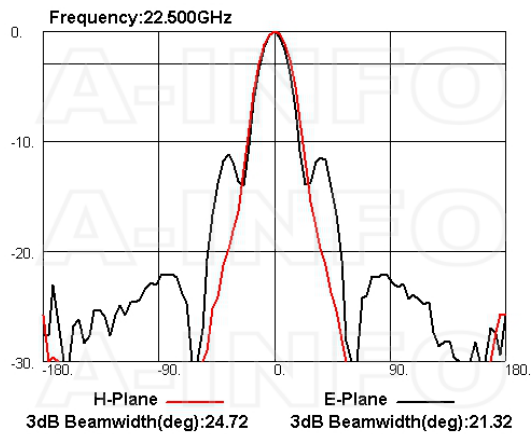
Cross Polarization Isolation

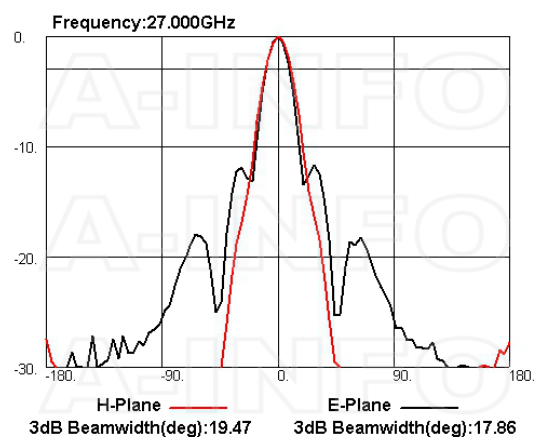
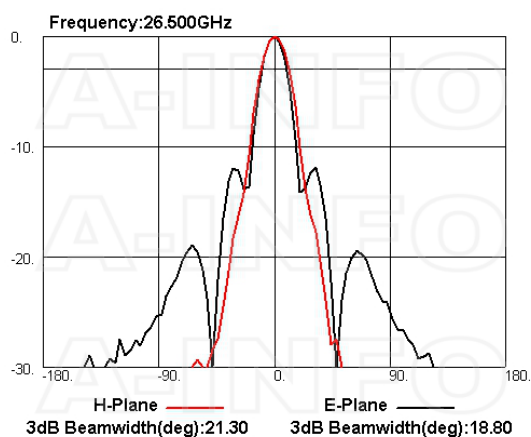
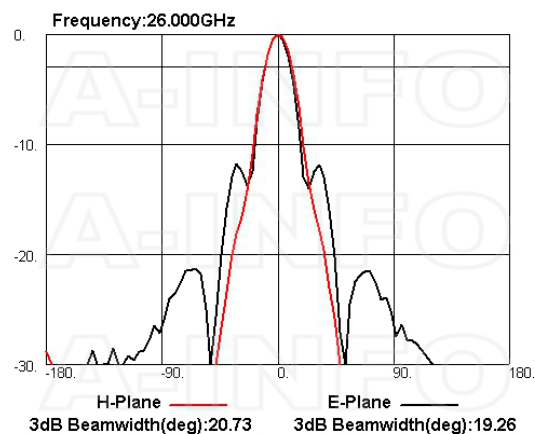
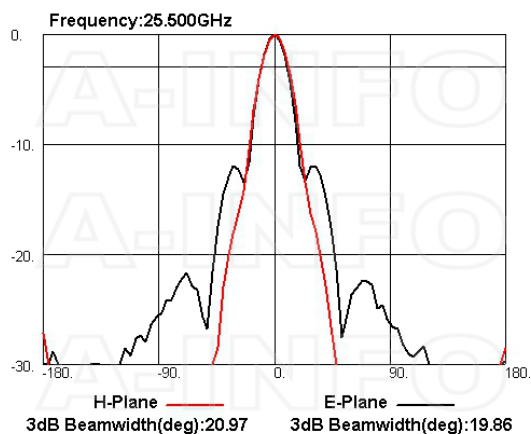
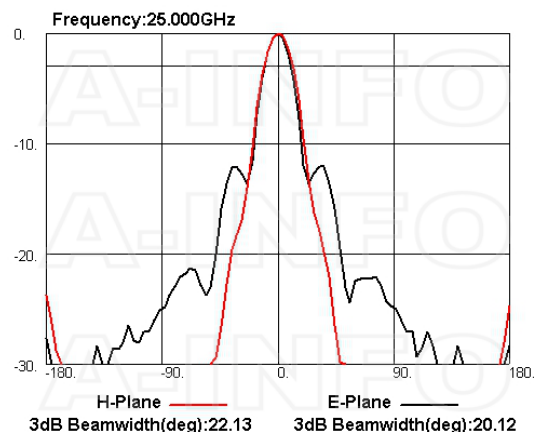
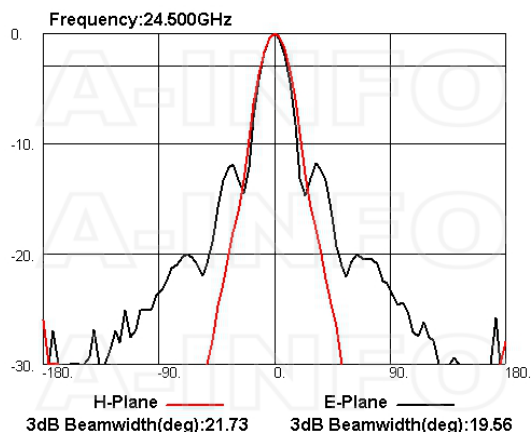


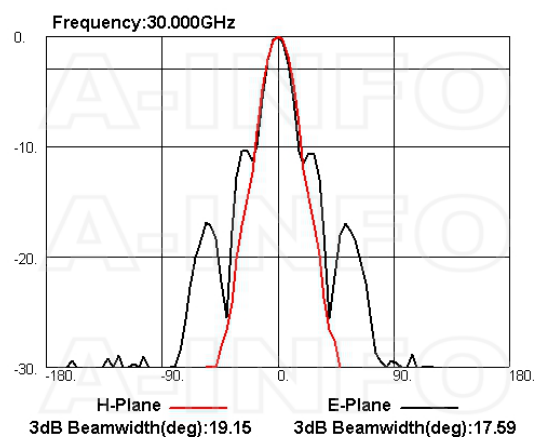
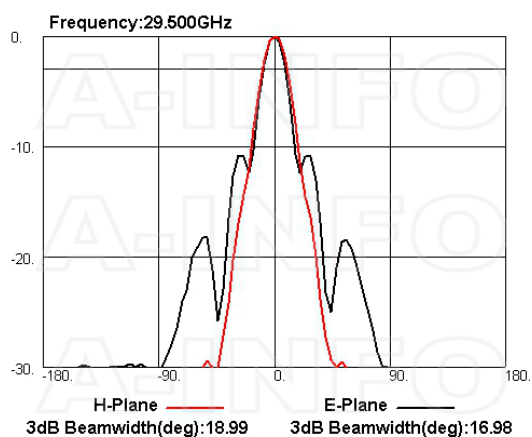
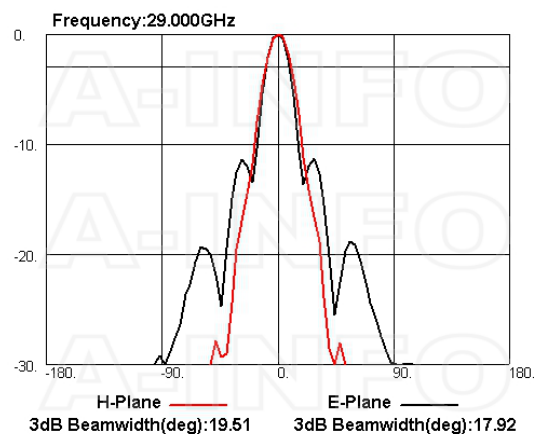
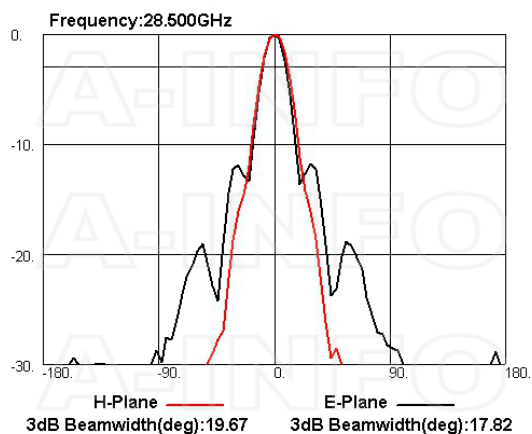
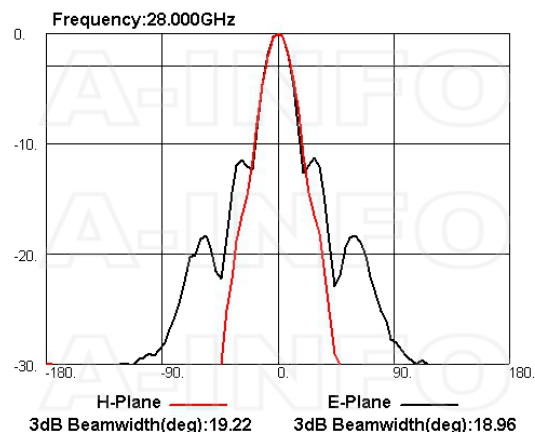
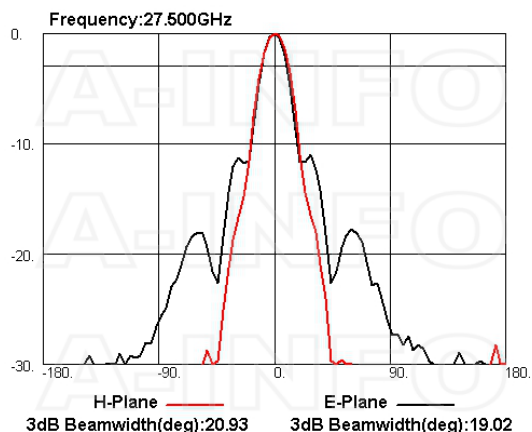
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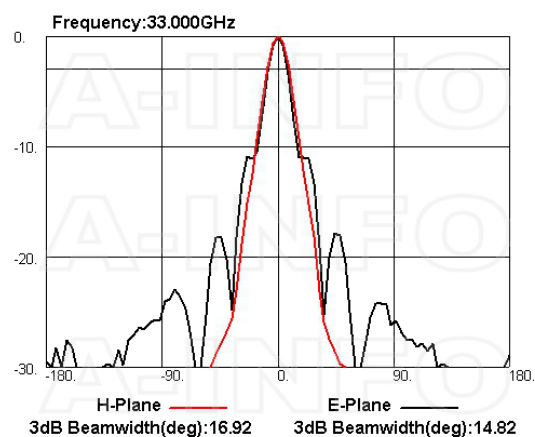
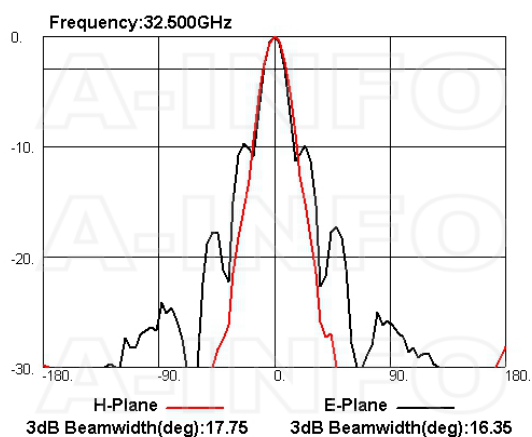
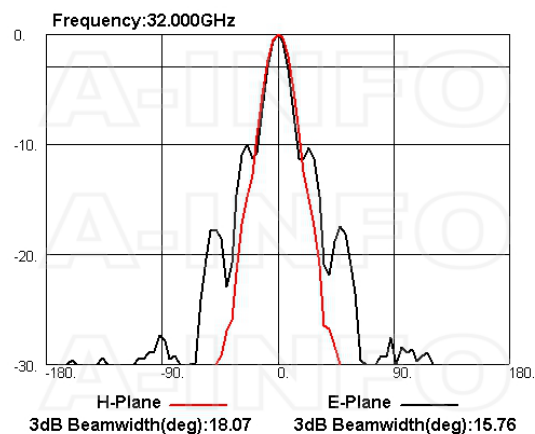
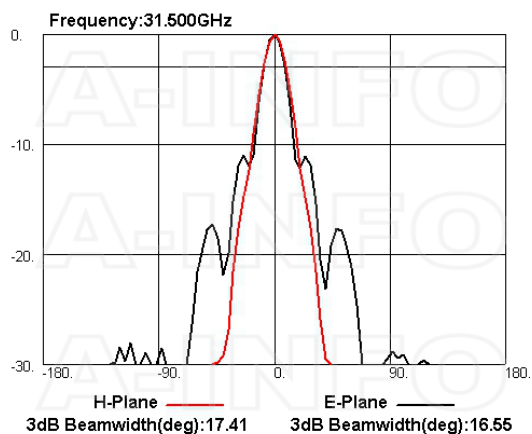
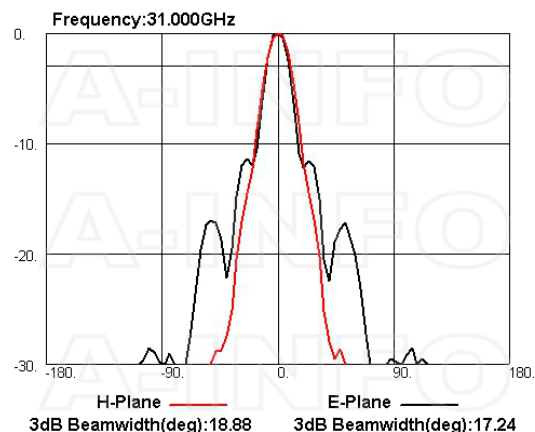
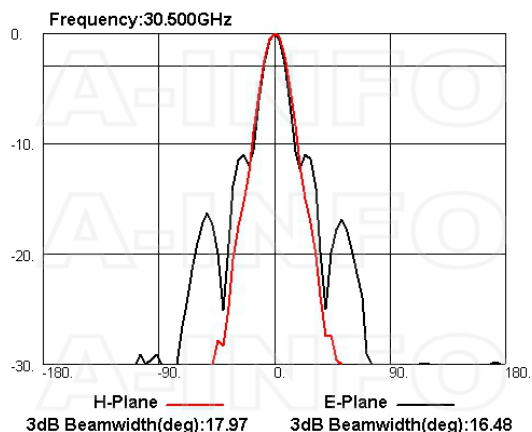


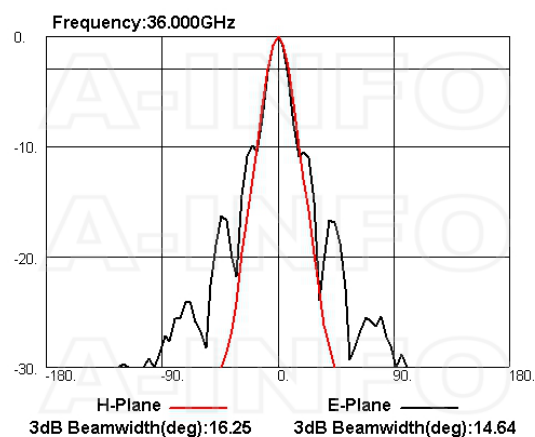
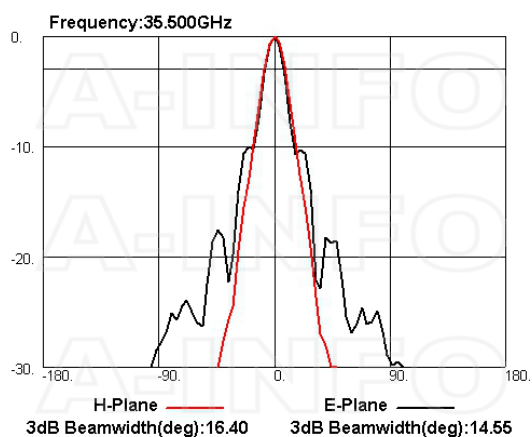
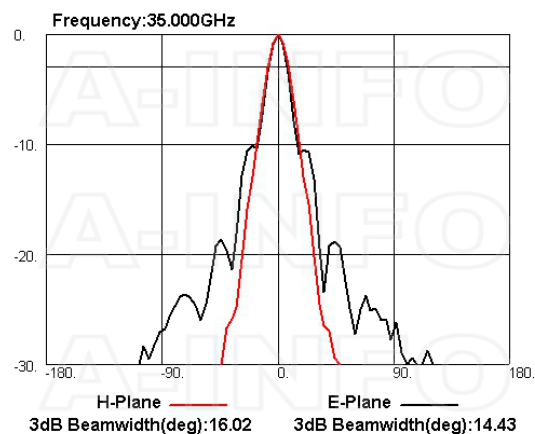
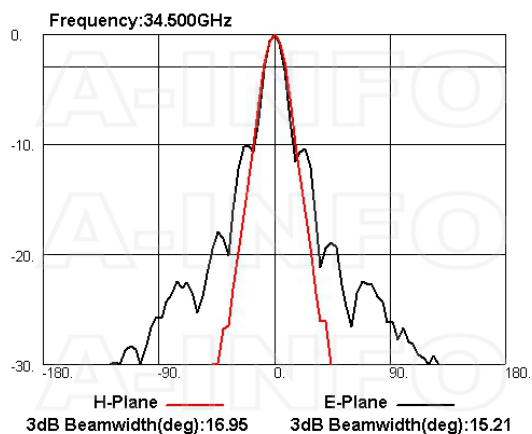
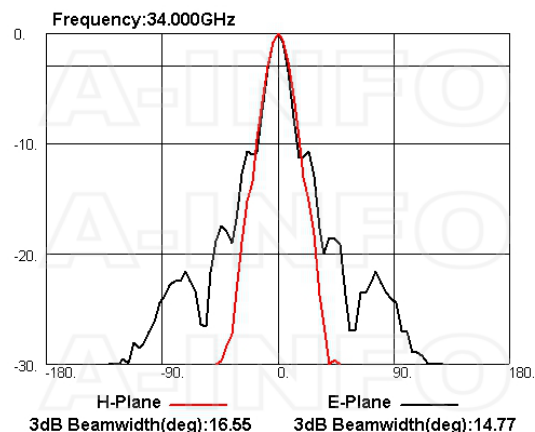
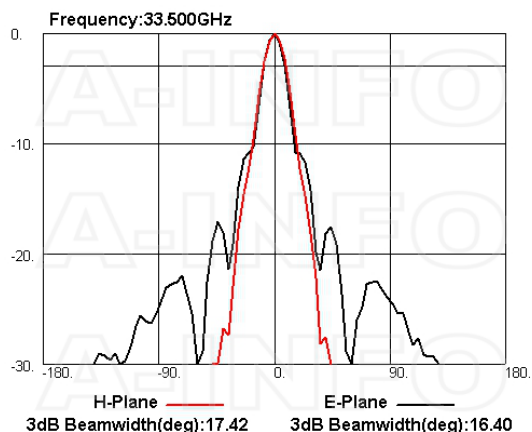
Pattern

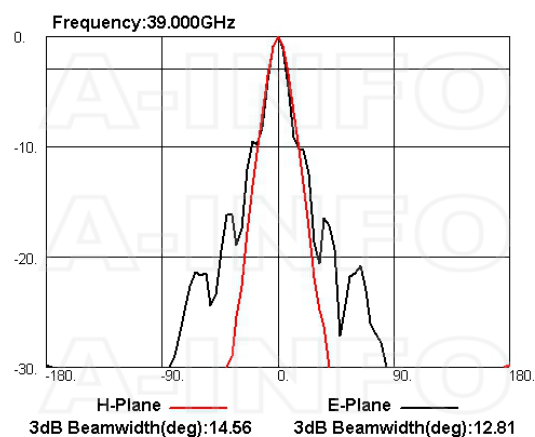
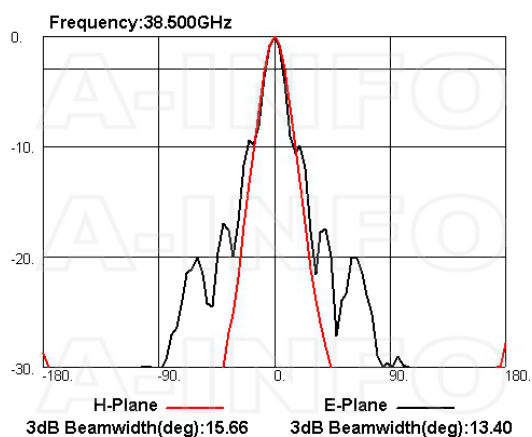
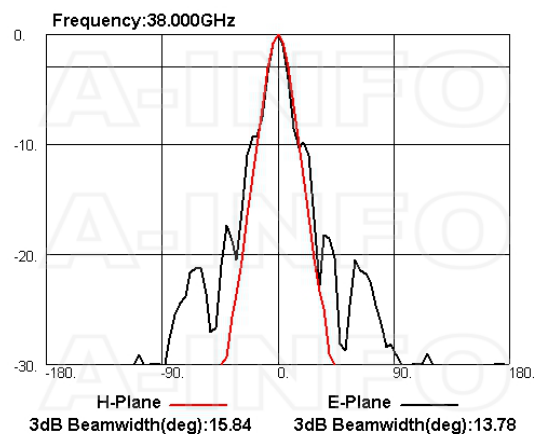
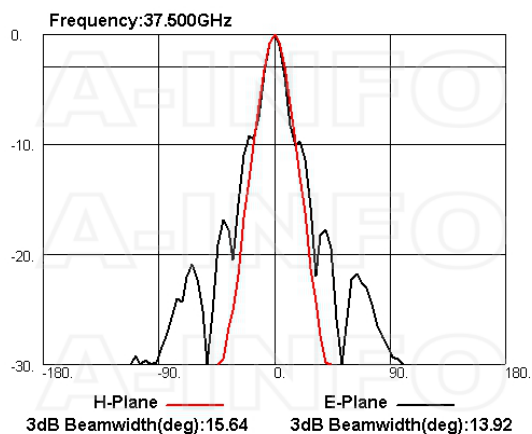
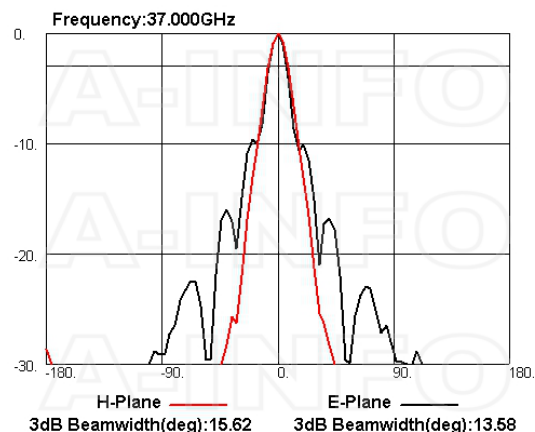
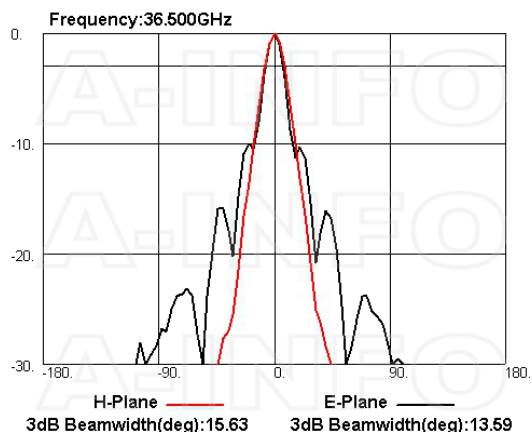


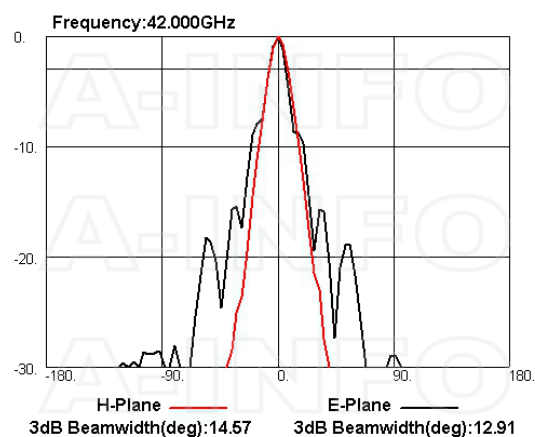
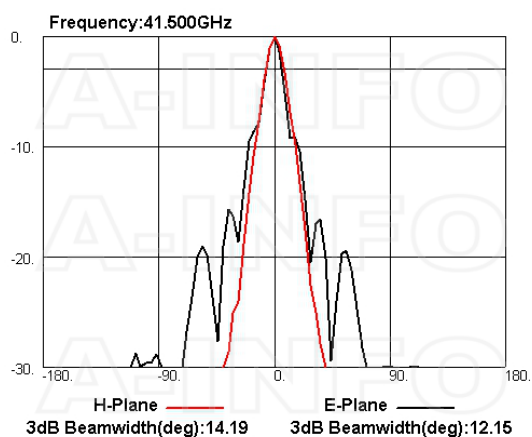
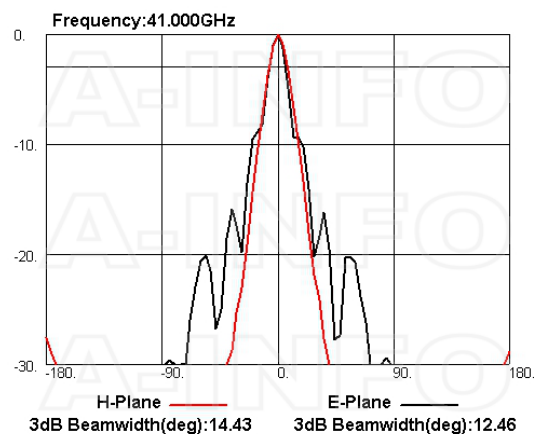
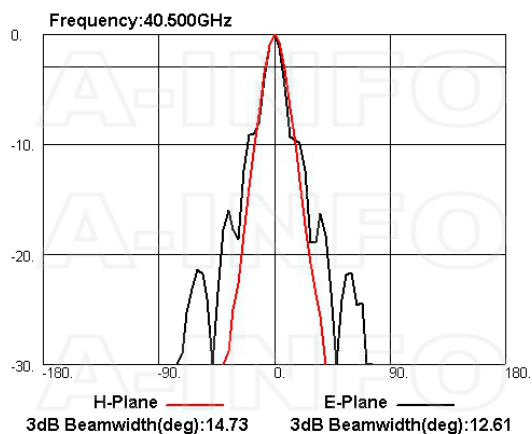
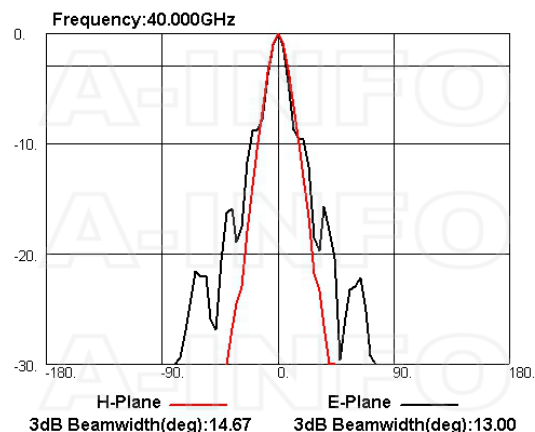
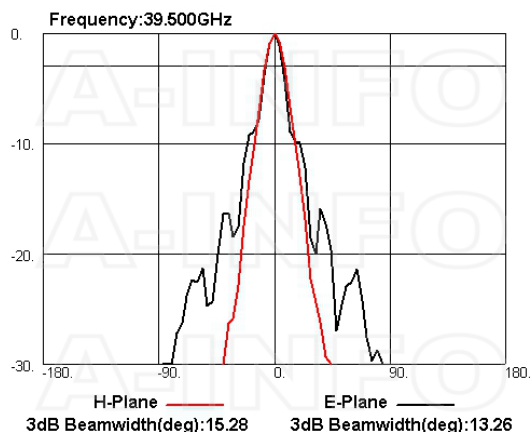


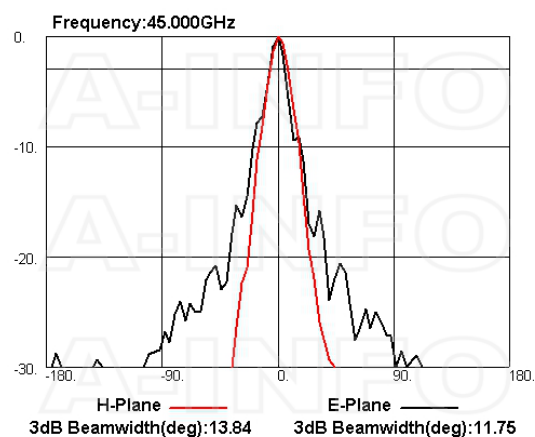
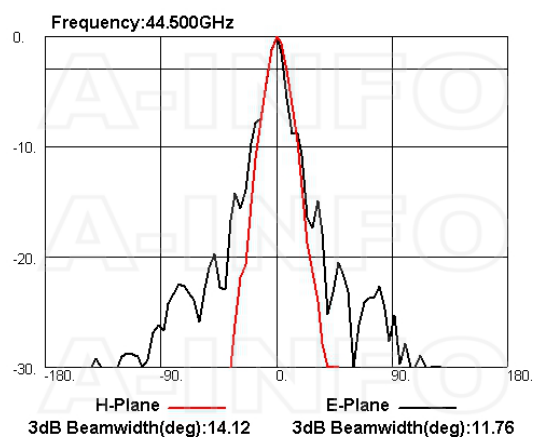
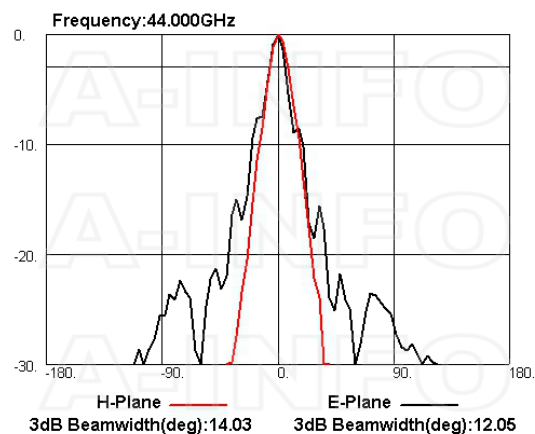
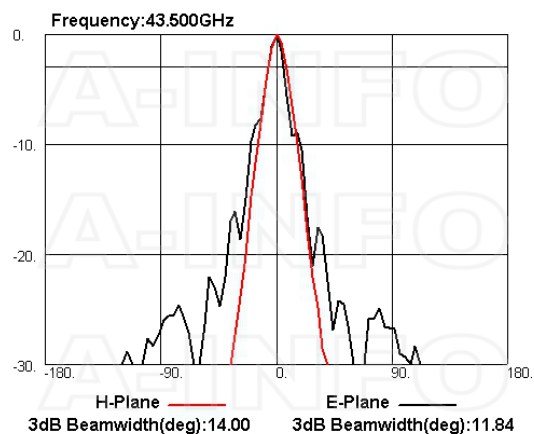
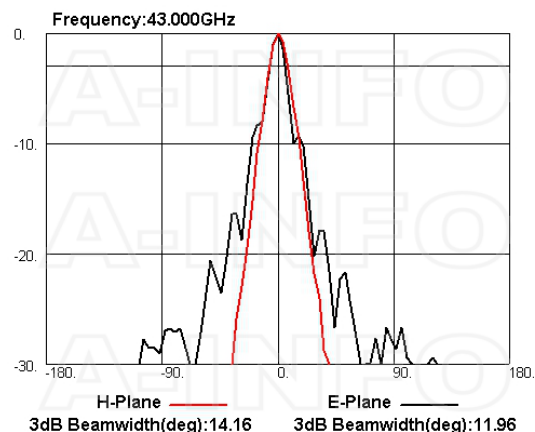
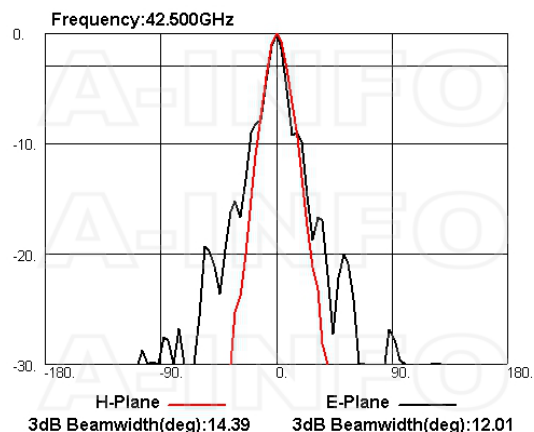












Related Products



LB-28-10-C-MB Round Type Mounting Bracket



LB-28-10-C-MBL L Type Mounting Bracket



LB-28-10-C-MA Stinger Type Mounting Bracket



Tripod_15Kg Al Alloy Tripod



3033HL Wooden Tripod



3033QM Wooden Tripod Metalfree



Carrying Case_LB-28-20-C Al Alloy Carrying Case



M3x12 Hex_Pack WR28 Flange Assembly Pack



2.92M-2.92M-A050-500 Flexible Cable Assembly 500mm DC-40GHz 2.92mm Male to 2.92mm Male



2.92M-2.92M-A050-1000 Flexible Cable Assembly 1000mm DC-40GHz 2.92mm Male to 2.92mm Male



2.92M-2.92M-A050-1500 Flexible Cable Assembly 1500mm DC-40GHz 2.92mm Male to 2.92mm Male



2.92M-2.92M-A050-2000 Flexible Cable Assembly 2000mm DC-40GHz 2.92mm Male to 2.92mm Male



2.92M-2.92M-A050-3000 Flexible Cable Assembly 3000mm DC-40GHz 2.92mm Male to 2.92mm Male



2.92M-2.92M-A050-5000 Flexible Cable Assembly 5000mm DC-40GHz 2.92mm Male to 2.92mm Male

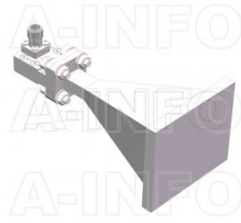


2.92M-2.92M-A050-10000 Flexible Cable Assembly 10000mm DC-40GHz 2.92mm Male to 2.92mm Male

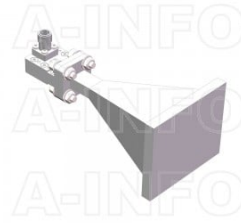
Similar Products



LB-28-20-64-C-2.4F Frequency
Extended Standard Gain Horn
Antenna 22.5-45GHz 20dB Gain
2.4mm Female



LB-28-20-64-C-2.4FSPO
Frequency Extended Standard
Gain Horn Antenna 22.5-45GHz
20dB Gain 2.4mm Female



LB-28-20-64-C-KFSPO Frequency
Extended Standard Gain Horn
Antenna 22.5-45GHz 20dB Gain
2.92mm Female

About this Datasheet

- Product Information

Product Link:

<https://www.ainfoinc.com/lb-28-20-64-c-kf-frequency-extended-standard-gain-horn-antenna-22-5-45ghz-20db-gain-2-92mm-female>

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