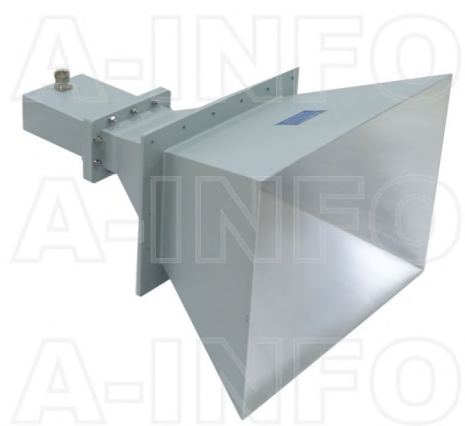


LB-1025-7/16F Broadband Horn Antenna 1-2.5GHz 15dB Gain 7/16 DIN Female



Broadband Horn Antenna Operating From 1GHz to 2.5GHz With a Nominal 15dB Gain With 7/16 DIN Female Connector

Product Information

SKU	LB-1025-7/16F
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Description

Broadband horn antenna LB-1025-7/16F, operating from 1 to 2.5GHz with a nominal 15dB gain and low VSWR 1.5:1 with 7/16 DIN Female output connector. The model LB-1025-7/16F has uniform gain through its frequency span, providing efficient performance characteristics and directionality. It can handle 500W continuously and 5000W peak power. Constructed of lightweight corrosion-resistant aluminum, the antenna will provide years of trouble-free indoor and outdoor service. This broadband horn antenna is linearly polarized and ideally suited for EMI testing, direction finding, surveillance, antenna gain and pattern measurements and other applications.

Also we provide specific gain horn antennas according to customers' requirement.

Technical Specification

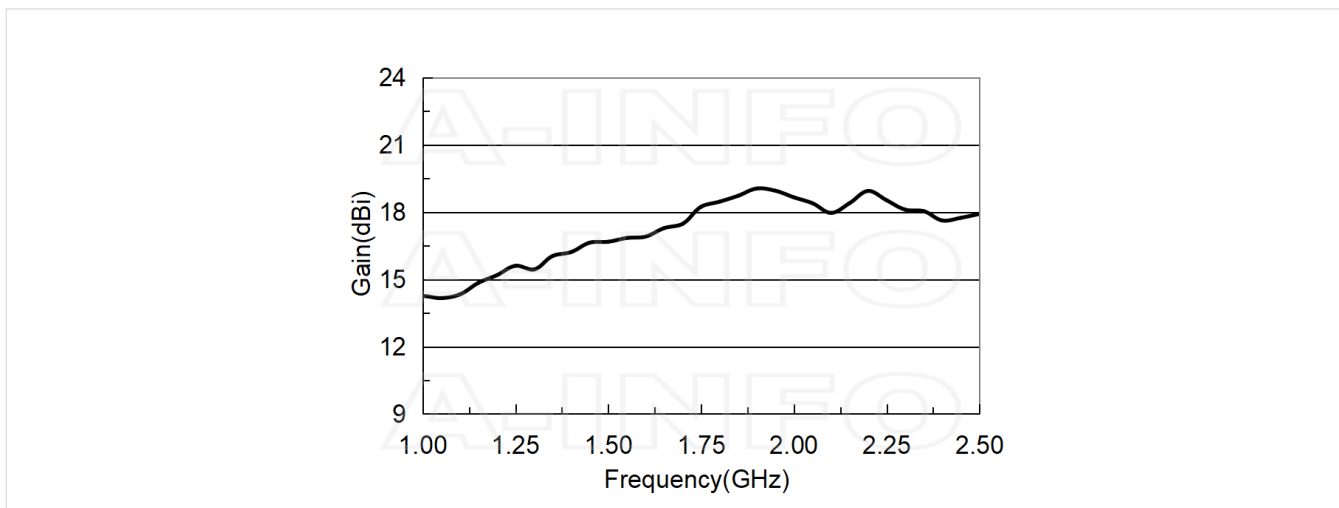
Electrical Specification		Interface	
Frequency, Min (GHz)	1	Output Type	Coaxial
Frequency, Max (GHz)	2.5	Connector	7/16 DIN
Gain, Typ (dBi)	15	Connector Gender	Female
Polarization	Linear	Mechanical Specification	
3dB Beamwidth, E-Plane, Min (Deg.)	12	Body Material	Al
3dB Beamwidth, E-Plane, Max (Deg.)	35	Finish	Chemical Conversion Coating, Gray Paint
3dB Beamwidth, H-Plane, Min (Deg.)	14	Size, W (mm)	586
3dB Beamwidth, H-Plane, Max (Deg.)	38	Size, H (mm)	436
Cross Pol. Isolation, Typ (dB)	35	Size, L (mm)	769
VSWR, Typ	1.5:1	Weight, (kg)	10.5
Impedance, (Ohm)	50		
Power Handling, CW, (W)	500		
Power Handling, Peak, (W)	5000		

Additional Information

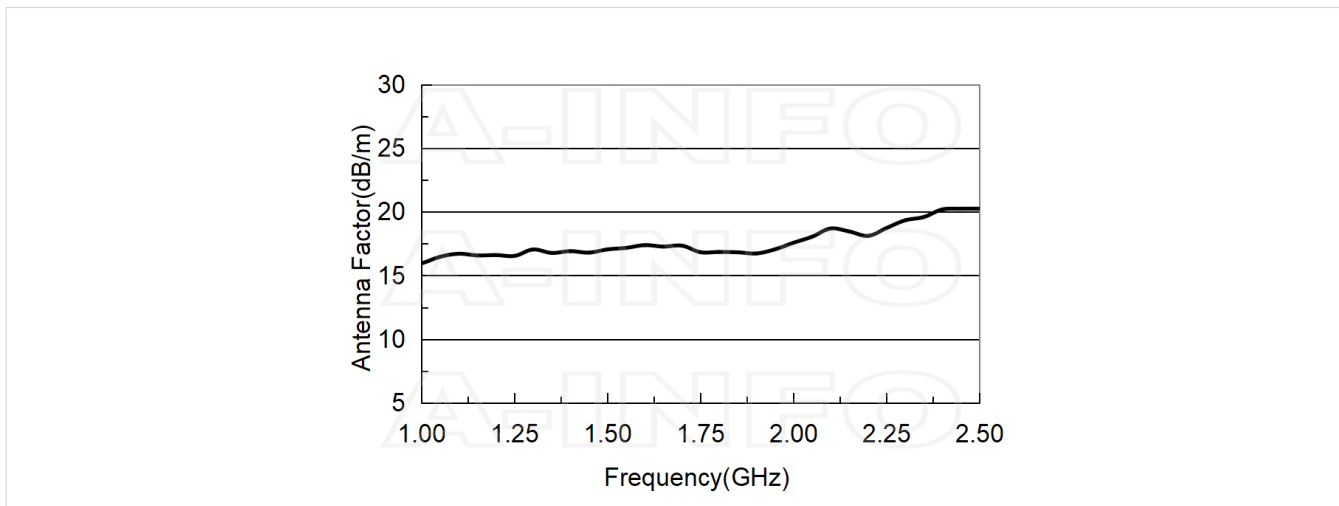
Application	General Purpose Indoor & Outdoor, Fixed	Solution for	Gain Reference Antenna Measurement Reflector Feed Far-field Measurement System Intergration
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Typical Test Results

Gain



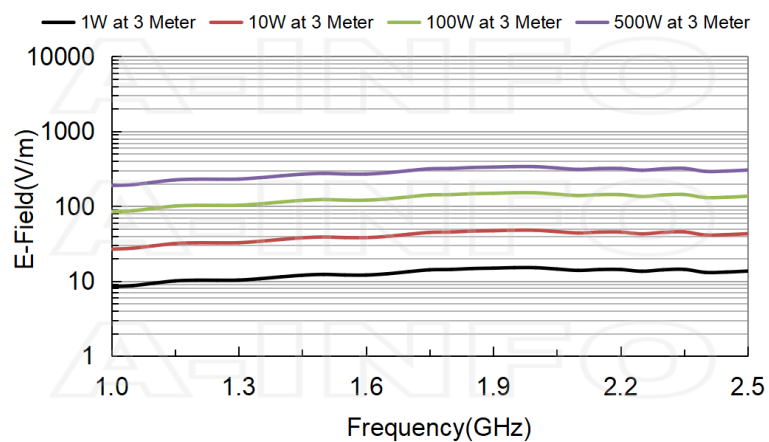
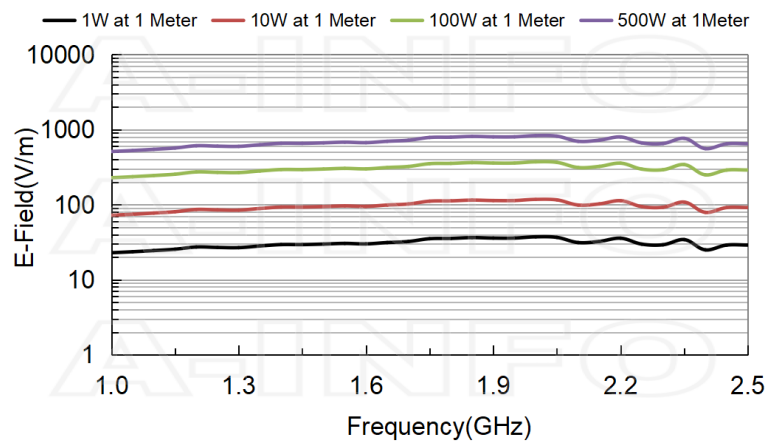
Antenna Factor



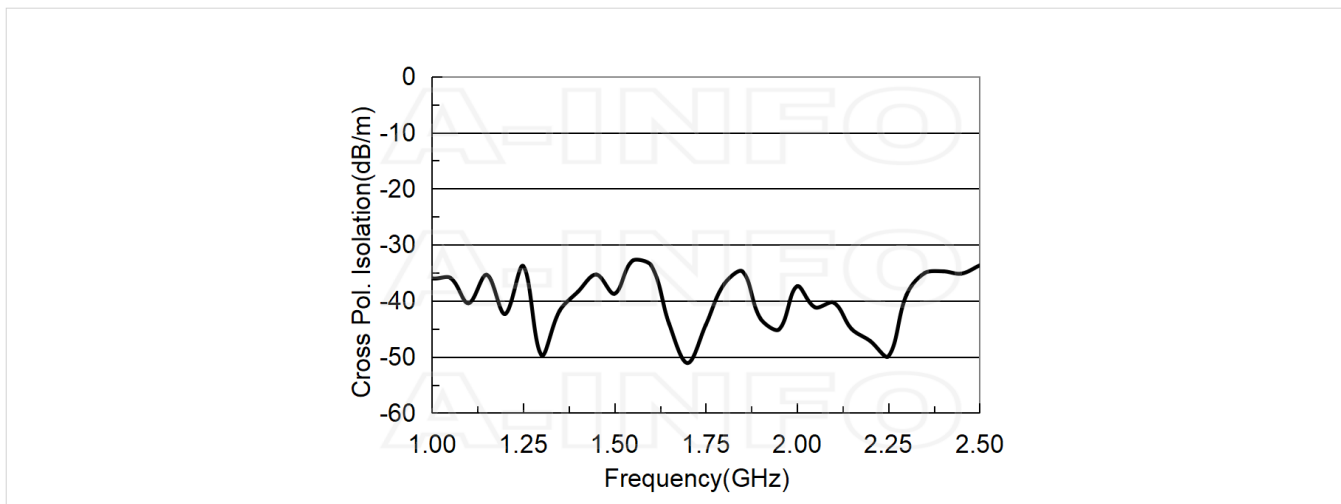
Antenna Factor (Table)

Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
1.0	14.25	15.96
1.1	14.33	16.71
1.2	15.19	16.61
1.3	15.44	17.05
1.4	16.22	16.91
1.5	16.68	17.05
1.6	16.91	17.39
1.7	17.48	17.34
1.8	18.47	16.85
1.9	19.05	16.73
2.0	18.66	17.57
2.1	17.96	18.69
2.2	18.94	18.12
2.3	18.11	19.34
2.4	17.62	20.19
2.5	17.92	20.25

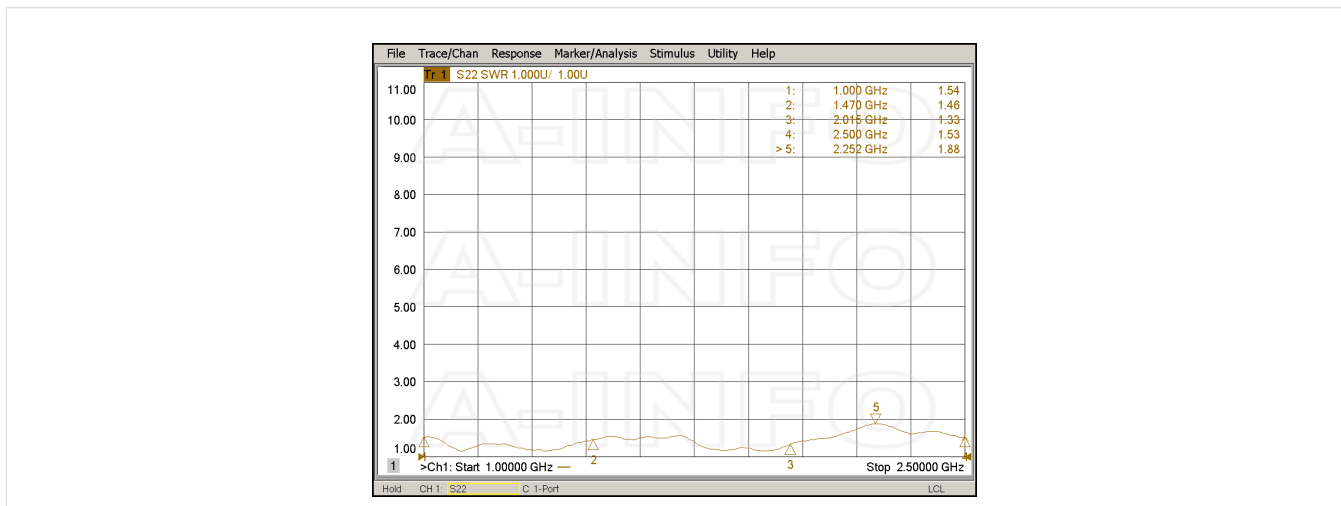
Forward Power



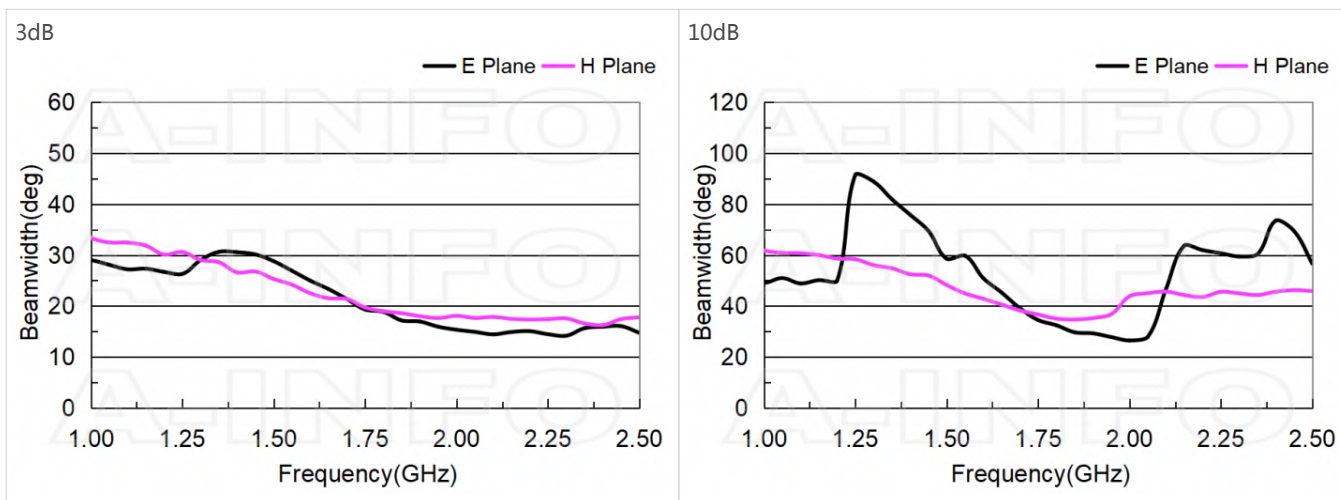
Cross Polarization Isolation



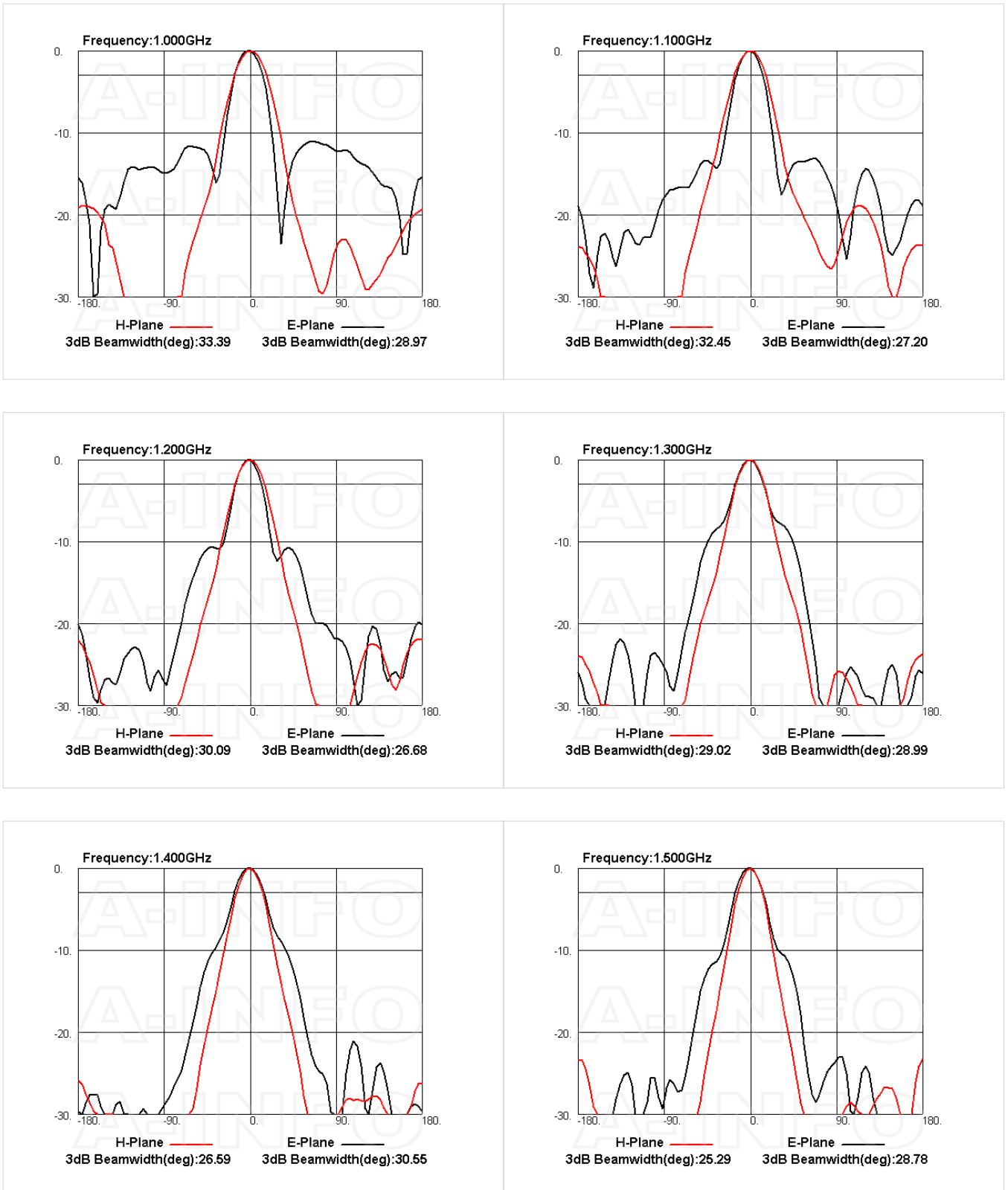
VSWR

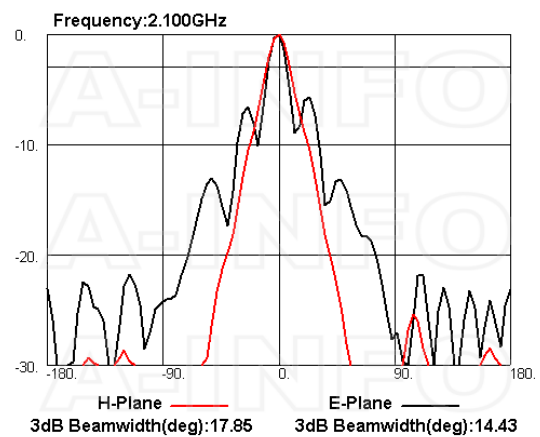
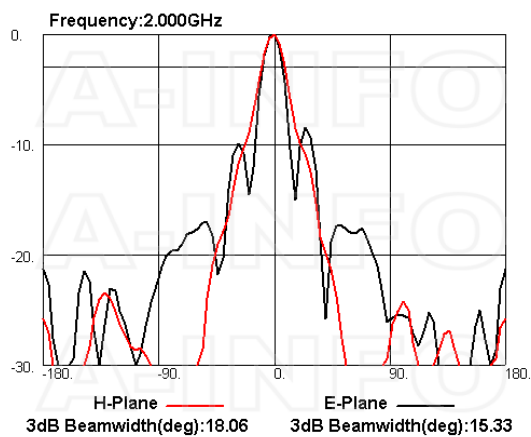
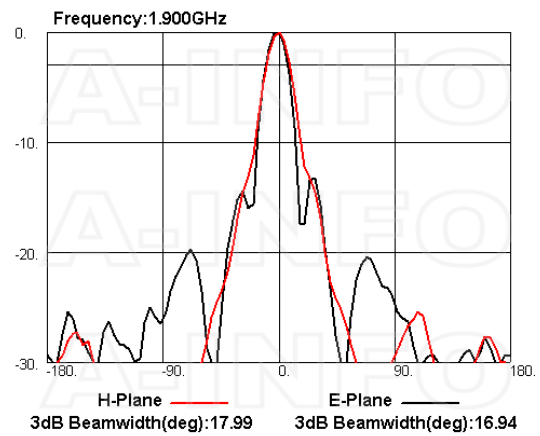
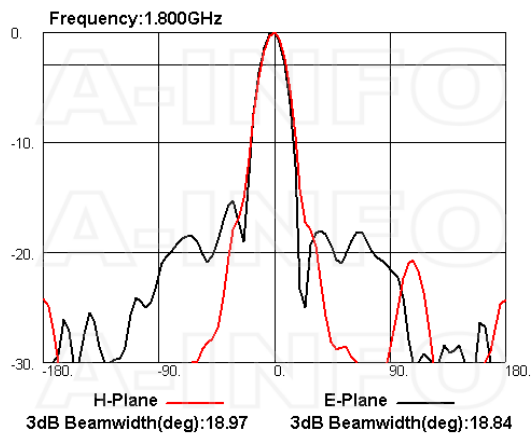
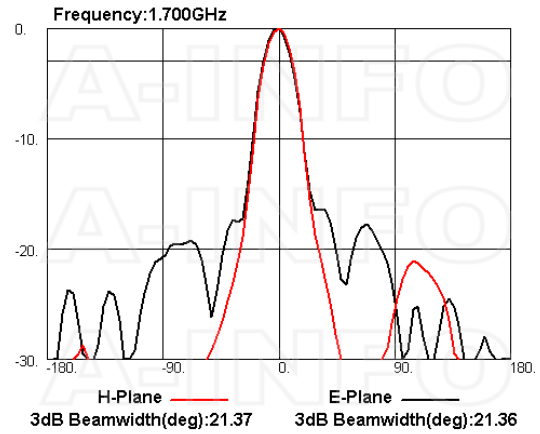
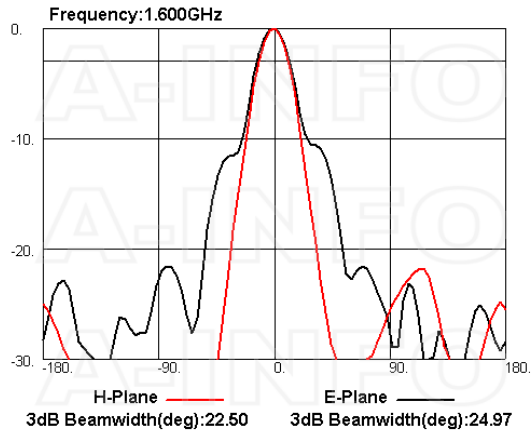


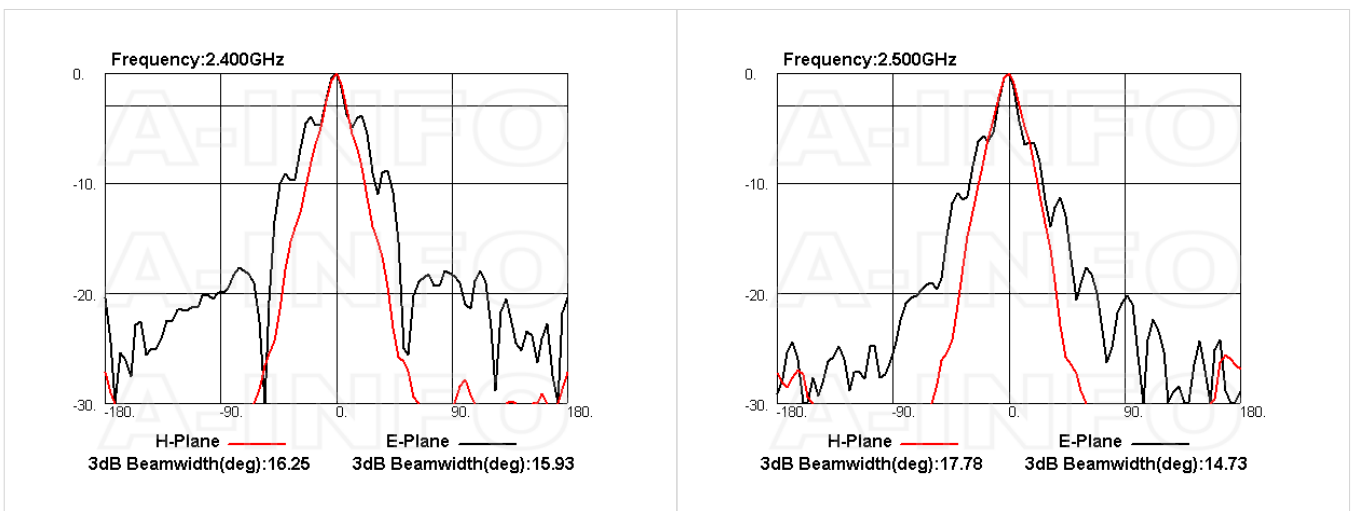
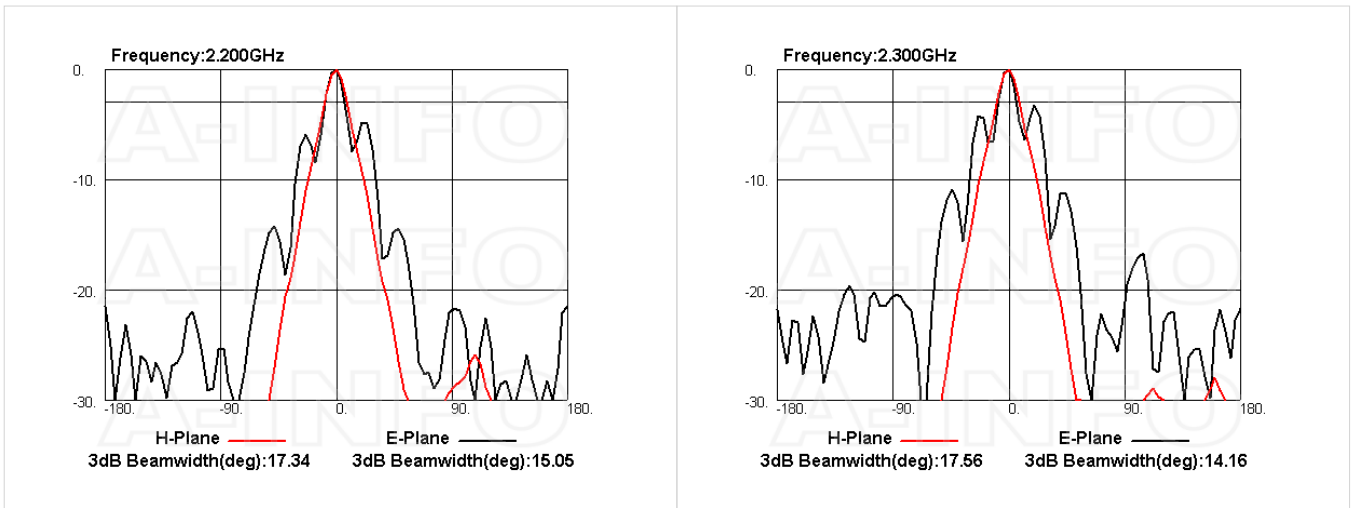
Beamwidth



Pattern







Related Products



LB-08420-15-C-L-FR L type mounting bracket



Tripod_15Kg Al Alloy Tripod



3033HL Wooden Tripod



3033QM Wooden Tripod Metalfree

Similar Products



LB-225-NF Broadband Horn
Antenna 0.2-2.5GHz 12dB Gain N
Type Female



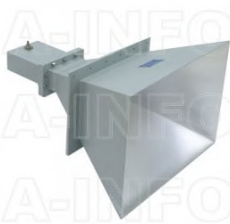
LB-225-7/16F Broadband Horn
Antenna 0.2-2.5GHz 12dB Gain
7/16 DIN Female



LB-1025-NF Broadband Horn
Antenna 1-2.5GHz 15dB Gain N
Type Female



LB-1025-NFSP0 Broadband Horn
Antenna 1-2.5GHz 15dB Gain N
Type Female



LB-1025-SF Broadband Horn
Antenna 1-2.5GHz 15dB Gain
SMA Female



LB-1025-SFSP0 Broadband Horn
Antenna 1-2.5GHz 15dB Gain
SMA Female



LB-1025-7/16FSP0 Broadband
Horn Antenna 1-2.5GHz 15dB
Gain 7/16 DIN Female



LB-1080-NF Broadband Horn
Antenna 1-8GHz 11dB Gain N
Type Female



LB-1080-NFSP0 Broadband Horn
Antenna 1-8GHz 11dB Gain N
Type Female



LB-1080-SF Broadband Horn
Antenna 1-8GHz 11dB Gain SMA
Female



LB-1080-SFSP0 Broadband Horn
Antenna 1-8GHz 11dB Gain SMA
Female



LB-1080-M-NF Broadband Horn
Antenna 1-8GHz 10dB Gain N
Type Female



LB-1080-M-SF Broadband Horn
Antenna 1-8GHz 10dB Gain SMA
Female

About this Datasheet

<ul style="list-style-type: none">● Product Information <p>Product Link: https://www.ainfoinc.com/lb-1025-7-16f-broadband-horn-antenna-1-2-5-ghz-15db-gain-7-16-din-female 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>
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