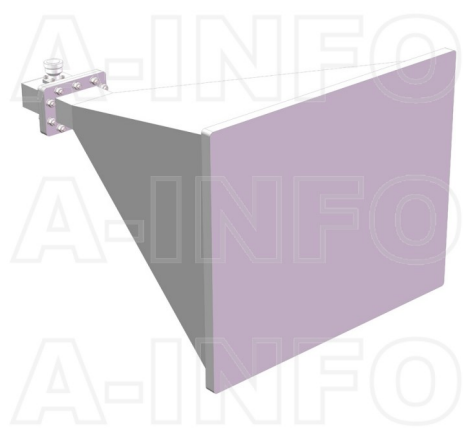




LB-284-20-C-7/16FSPO Standard Gain Horn Antenna 2.6-3.95GHz 20dB Gain 7/16(DIN) Female

Standard Gain Horn Antenna Operating From 2.6GHz to 3.95GHz With a Nominal 20dB Gain With 7/16(DIN) Female Connector

Product Information

SKU	LB-284-20-C-7/16FSPO
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Description

Standard Gain Horn Antenna LB-284-20-C-7/16FSPO, operating from 2.6 to 3.95GHz with a nominal 20dB gain and low VSWR 1.25:1 with 7/16(DIN) Female connector output. The model LB-284-20-C-7/16FSPO has uniform gain through its frequency span, providing efficient performance characteristics and directionality. It can handle 500W continuously and 3000W peak power. 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

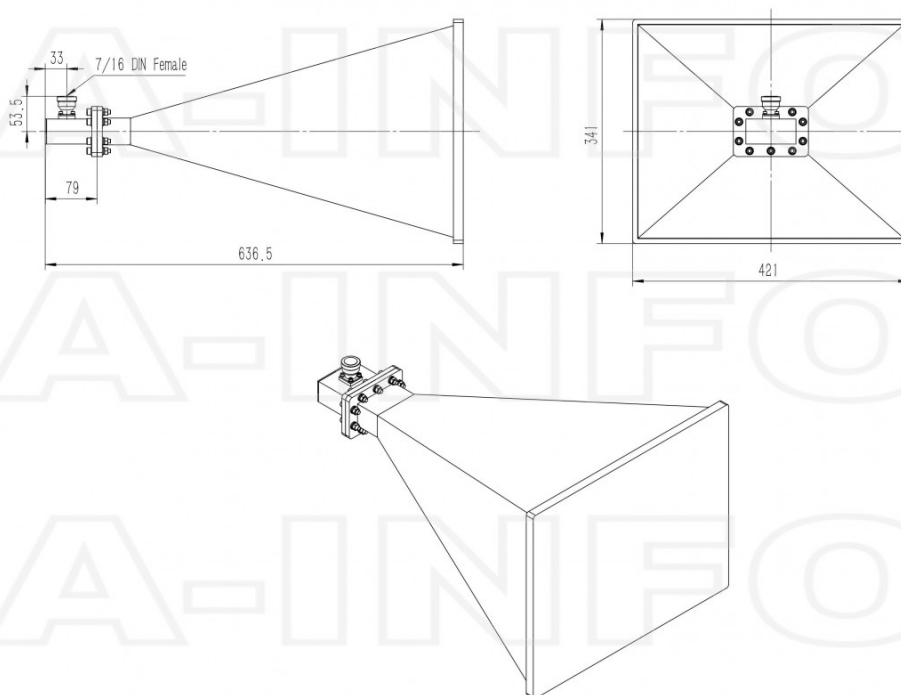
Electrical Specification		Interface	
Frequency, Min (GHz)	2.6	Output Type	Coaxial
Frequency, Max (GHz)	3.95	Connector	7/16 DIN
Waveguide Type	Rectangular	Connector Gender	Female
Waveguide Size EIA WR	WR284	Mechanical Specification	
Gain, Typ (dBi)	20	Figure	C Type
Polarization	Linear	Body Material	Al
3dB Beamwidth, E-Plane, Typ (Deg.)	16	Finish	Chemical Conversion Coating, Gray Paint
3dB Beamwidth, H-Plane, Typ (Deg.)	18	Size, W (mm)	421
Cross Pol. Isolation, Typ (dB)	40	Size, H (mm)	341
VSWR, Typ	1.25:1	Size, L (mm)	636.5
Impedance, (Ohm)	50	Weight, (kg)	3.8
Power Handling, CW, (W)	500		
Power Handling, Peak, (W)	3000		

Additional Information

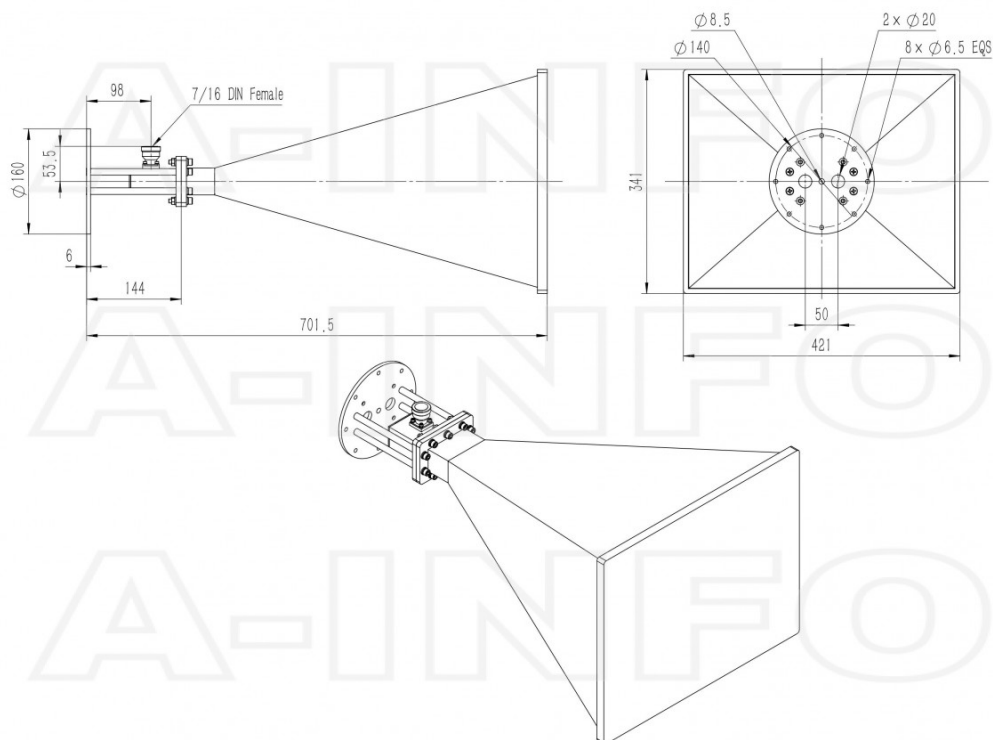
Application	Outdoor, Waterproof and Dustproof, Fixed	Solution for	Gain Reference Antenna Measurement Reflector Feed Far-field Measurement System Intergration Material Measurement
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Outline Drawing

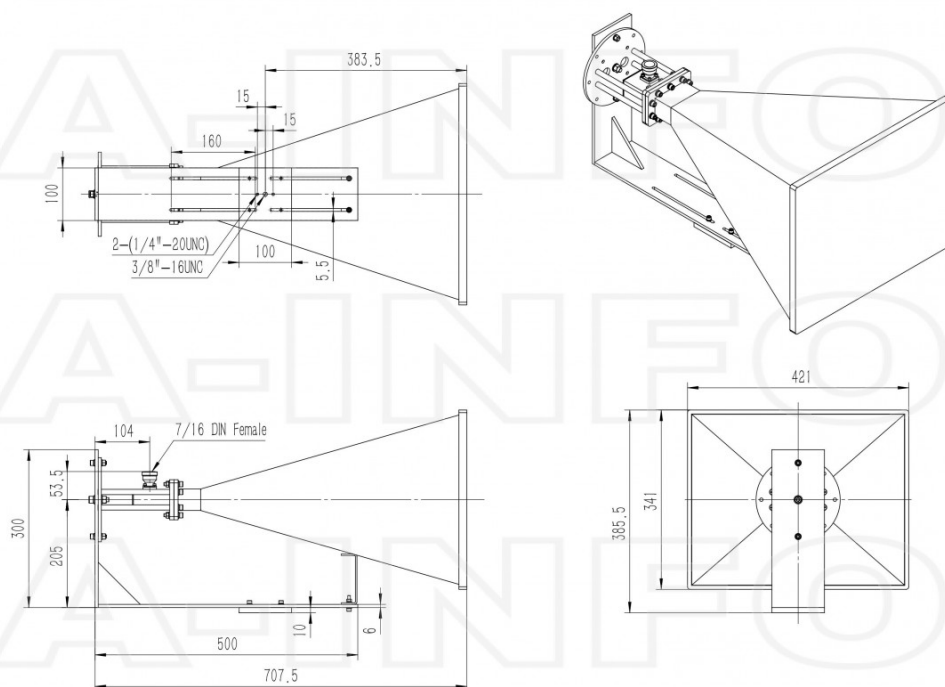
7/16(DIN) Female Output with Radome (Option, P/N: LB-284-20-C-7/16FSPO, Outdoor Application)



7/16(DIN) Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-284-10-C-MB & LB-284-20-C-7/16FSPO, Outdoor Application)

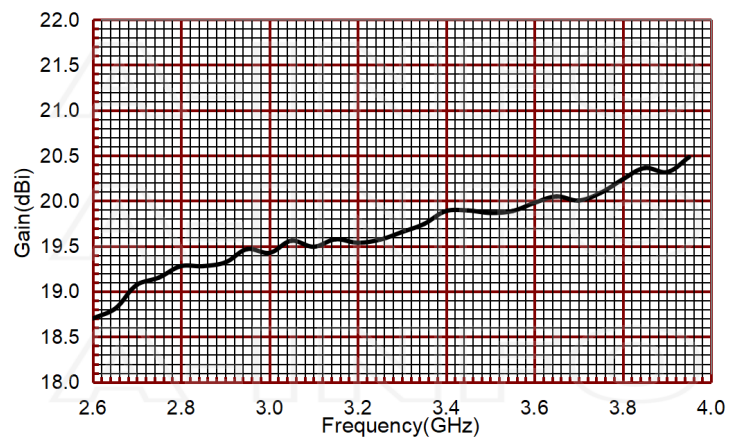


7/16(DIN) Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-284-20-C-MBL & LB-284-20-C-7/16FSPO, Outdoor Application)

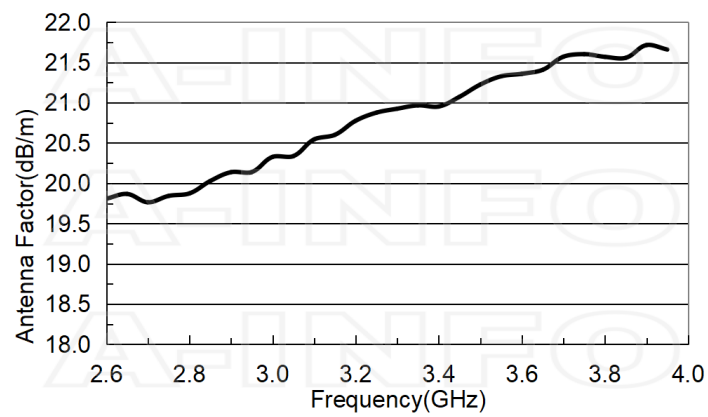


Typical Test Results

Gain



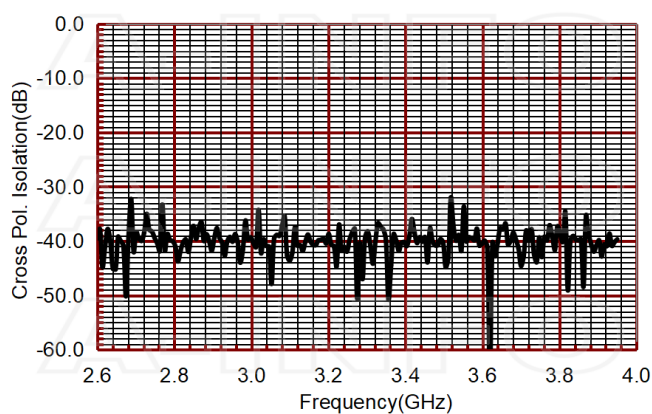
Antenna Factor



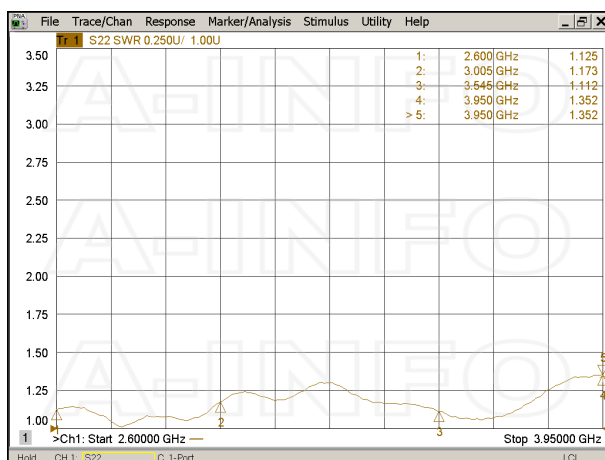
Antenna Factor (Table)

Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
2.60	18.70	19.81
2.70	18.81	19.87
2.80	19.07	19.76
2.90	19.15	19.84
3.00	19.28	19.87
3.10	19.28	20.03
3.20	19.32	20.14
3.30	19.47	20.14
3.40	19.43	20.33
3.50	19.56	20.34
3.60	19.49	20.54
3.70	19.57	20.60
3.80	19.54	20.78
3.90	19.57	20.88
3.95	19.65	20.93

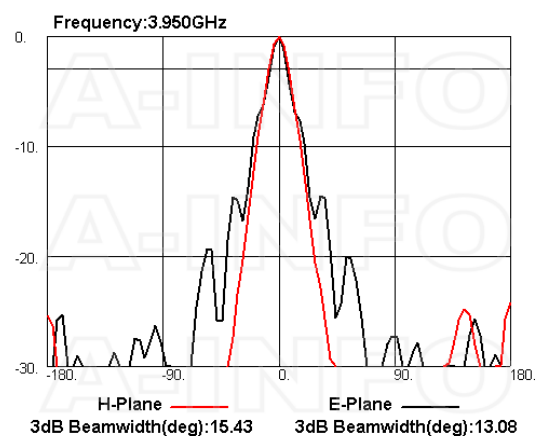
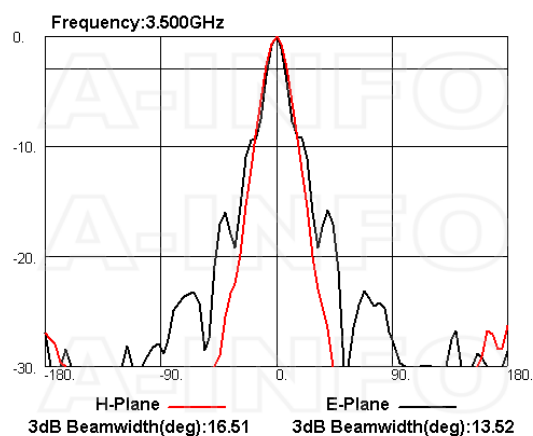
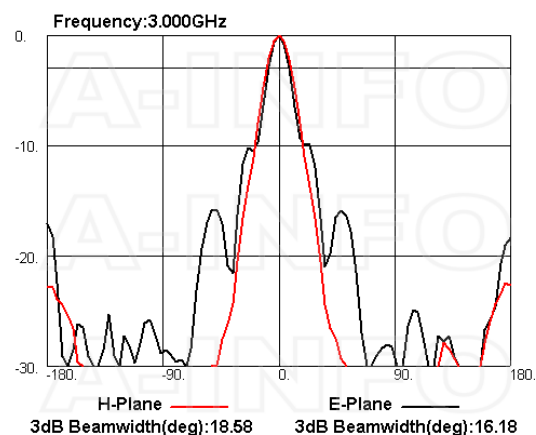
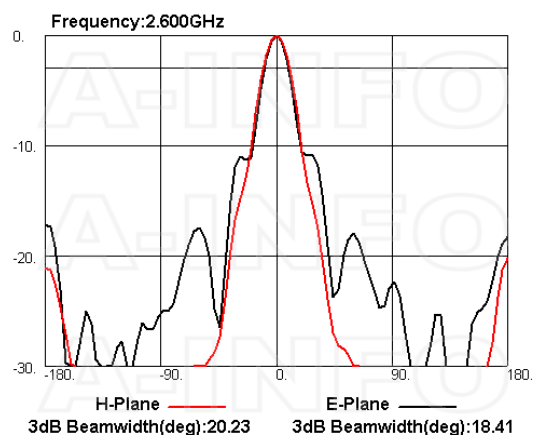
Cross Polarization Isolation



VSWR



Pattern



Related Products



LB-284-10-C-MB Round Type Mounting Bracket



LB-284-20-C-MBL L type mounting bracket



Tripod_50Kg AI Alloy Tripod



Carrying Case_LB-284-20-C AI Alloy Carrying Case



M6x30 Hex_Pack WR284-WR159
Flange Assembly Pack

Similar Products



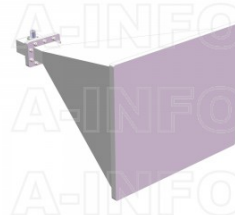
LB-284-20-A Standard Gain Horn
Antenna 2.6-3.95GHz 20dB Gain
Rectangular Waveguide Interface



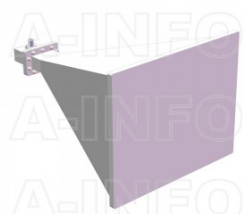
LB-284-20-ASPO Standard Gain
Horn Antenna 2.6-3.95GHz 20dB
Gain Rectangular Waveguide
Interface



LB-284-20-C-NF Standard Gain
Horn Antenna 2.6-3.95GHz 20dB
Gain N Type Female



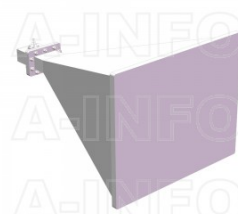
LB-284-20-C-NFSPO Standard
Gain Horn Antenna 2.6-3.95GHz
20dB Gain N Type Female



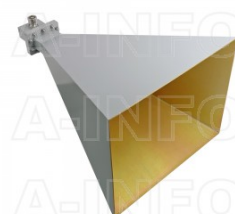
LB-284-20-C-NFSPS Standard
Gain Horn Antenna 2.6-3.95GHz
20dB Gain N Type Female



LB-284-20-C-SF Standard Gain
Horn Antenna 2.6-3.95GHz 20dB
Gain SMA Female



LB-284-20-C-SFSPO Standard
Gain Horn Antenna 2.6-3.95GHz
20dB Gain SMA Female



LB-284-20-C-7/16F Standard
Gain Horn Antenna 2.6-3.95GHz
20dB Gain 7/16(DIN) Female

About this Datasheet

● Product Information

Product Link:

<https://www.ainfoinc.com/lb-284-20-c-7-16fspo-standard-gain-horn-antenna-2-6-3-95-ghz-20db-gain-7-16-din-female>

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● 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