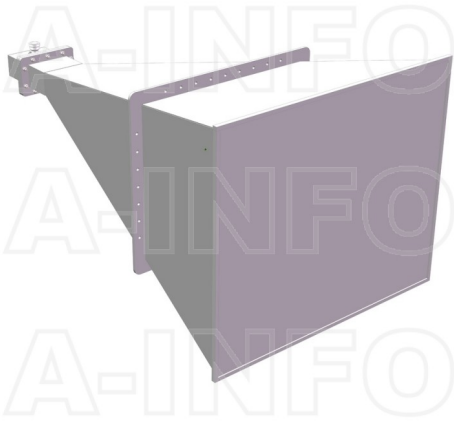


LB-430-20-C-7/16FSPO Standard Gain Horn Antenna 1.7-2.6GHz 20dB Gain 7/16(DIN) Female



Standard Gain Horn Antenna Operating From 1.7GHz to 2.6GHz With a Nominal 20dB Gain With 7/16(DIN) Female Connector

Product Information

SKU	LB-430-20-C-7/16FSPO
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Description

Standard Gain Horn Antenna LB-430-20-C-7/16FSPO, operating from 1.7 to 2.6GHz with a nominal 20dB gain and low VSWR 1.25:1 with 7/16(DIN) Female connector output. The model LB-430-20-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	
Frequency, Min (GHz)	1.7
Frequency, Max (GHz)	2.6
Waveguide Type	Rectangular
Waveguide Size EIA WR	WR430
Gain, Typ (dBi)	20
Polarization	Linear
3dB Beamwidth, E-Plane, Typ (Deg.)	16
3dB Beamwidth, H-Plane, Typ (Deg.)	18
Cross Pol. Isolation, Typ (dB)	40
VSWR, Typ	1.25:1
Impedance, (Ohm)	50
Power Handling, CW, (W)	500
Power Handling, Peak, (W)	3000

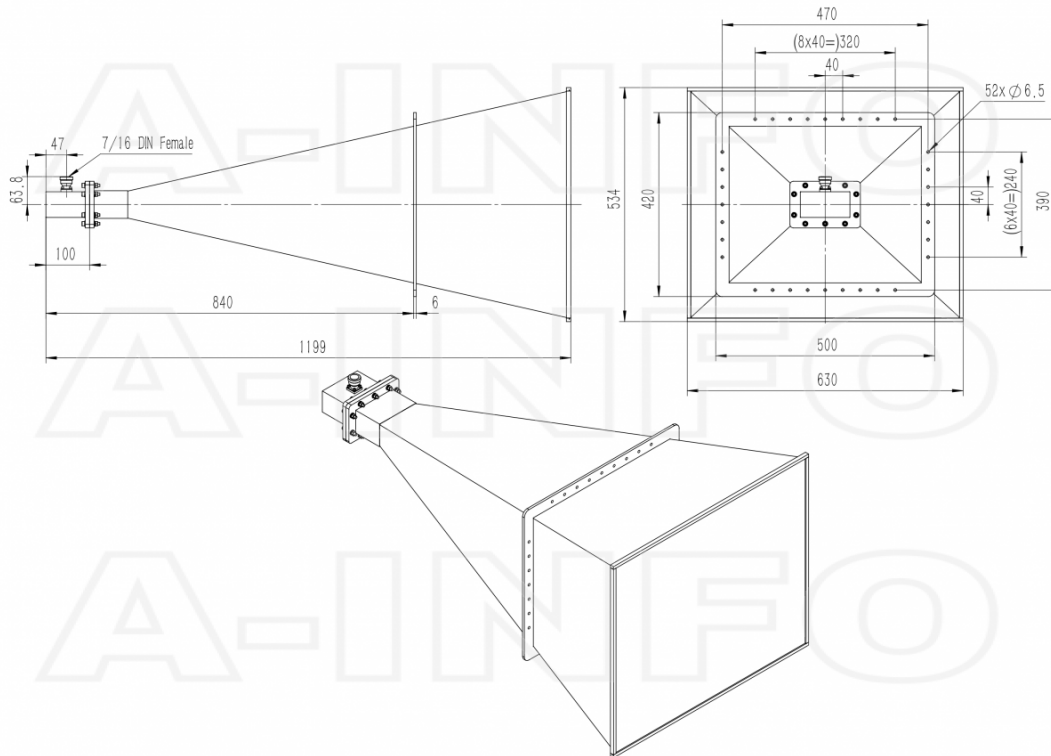
Interface	
Output Type	Coaxial
Connector	7/16 DIN
Connector Gender	Female
Mechanical Specification	
Figure	C Type
Body Material	Al
Finish	Chemical Conversion Coating, Gray Paint
Size, W (mm)	630
Size, H (mm)	534
Size, L (mm)	1199
Weight, (kg)	14.3

Additional Information

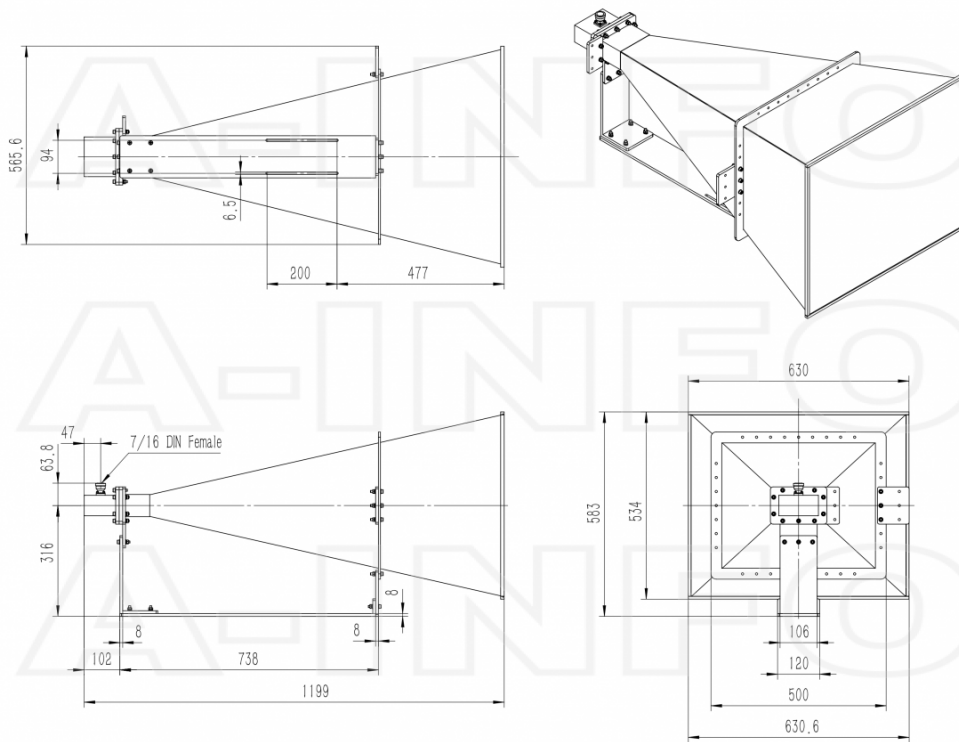
Application	Outdoor, Waterproof and Dustproof, Fixed	Solution for	Gain Reference Antenna Measurement Reflector Feed Far-field Measurement System Intergration Material Measurement
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Outline Drawing

7/16(DIN) Female Output with Radome (Option, P/N: LB-430-20-C-7/16FSPO, Outdoor Application)

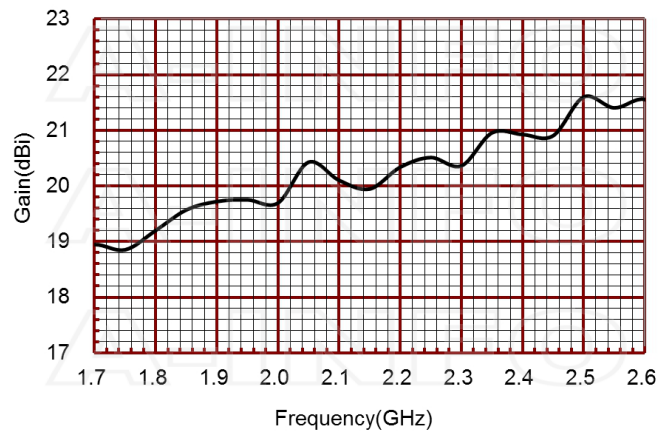


7/16(DIN) Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-430-20-C-L & LB-430-20-C-7/16FSP0, Outdoor Application)

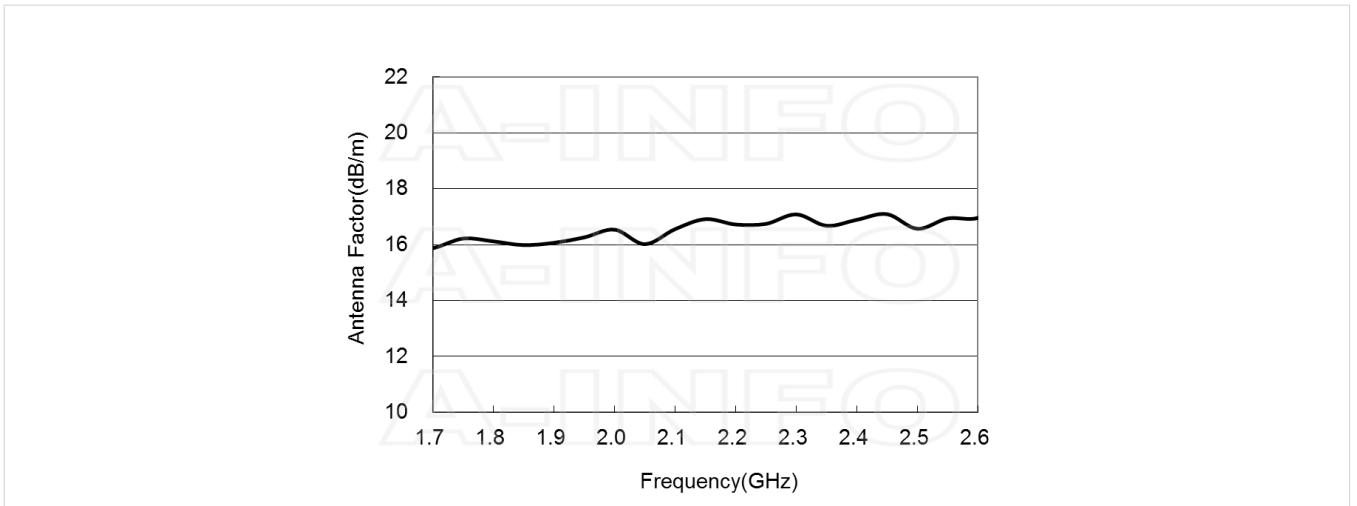


Typical Test Results

Gain



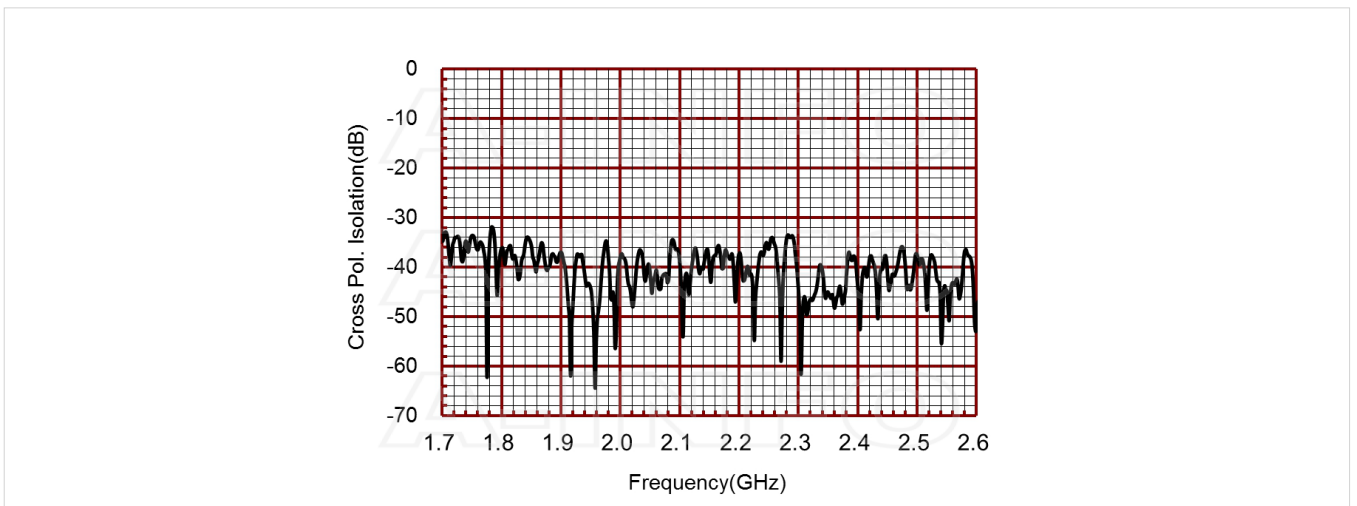
Antenna Factor



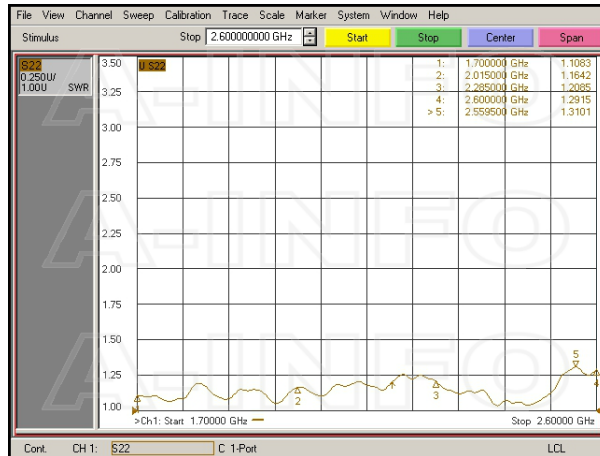
Antenna Factor (Table)

Frequency (GHz)	Gain (dBi)	Antenna Factor (dB/m)	Frequency (GHz)	Gain (dBi)	Antenna Factor (dB/m)
1.70	18.95	15.87	2.20	20.34	16.72
1.75	18.85	16.22	2.25	20.51	16.74
1.80	19.20	16.12	2.30	20.36	17.08
1.85	19.57	15.98	2.35	20.96	16.68
1.90	19.72	16.07	2.40	20.93	16.89
1.95	19.75	16.26	2.45	20.90	17.09
2.00	19.69	16.54	2.50	21.60	16.57
2.05	20.43	16.02	2.55	21.40	16.94
2.10	20.10	16.55	2.60	21.55	16.96
2.15	19.95	16.91			

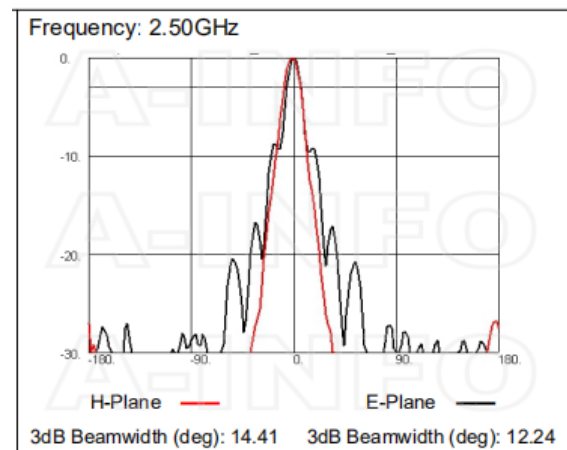
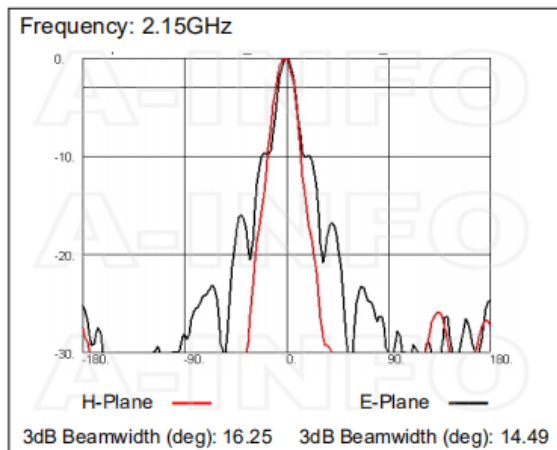
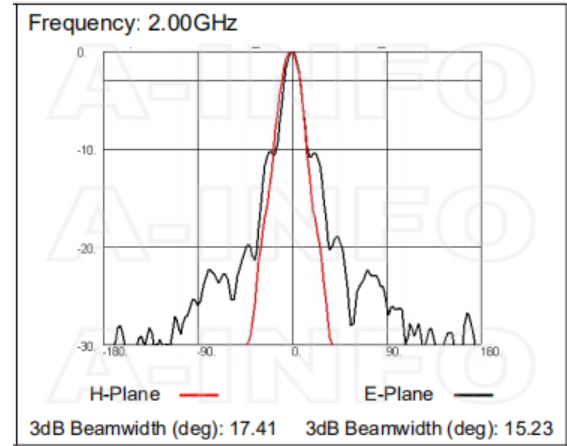
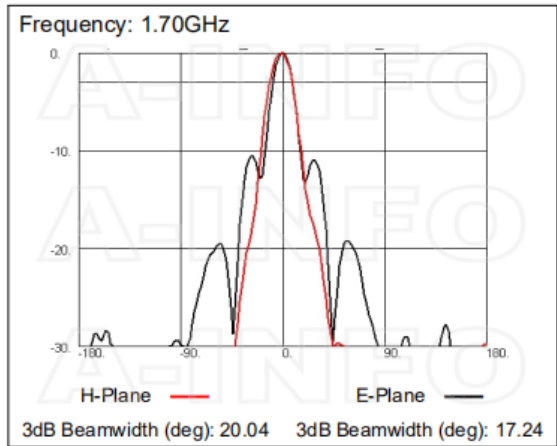
Cross Polarization Isolation

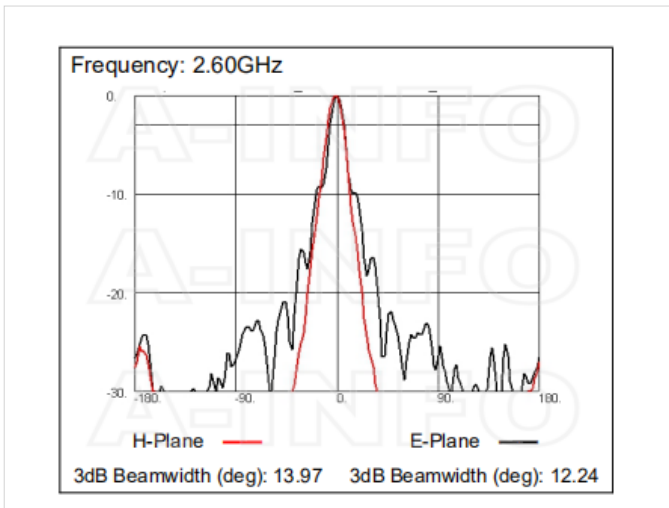


VSWR



Pattern



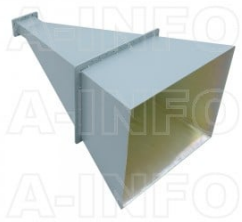


Related Products

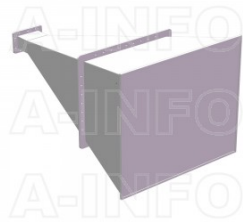


LB-430-20-C-L L type mounting bracket

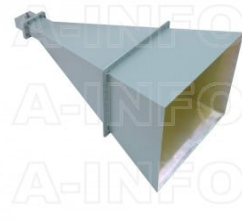
Similar Products



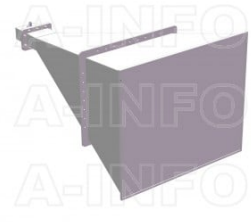
LB-430-20-A Standard Gain Horn Antenna 1.7-2.6GHz 20dB Gain Rectangular Waveguide Interface



LB-430-20-ASPO Standard Gain Horn Antenna 1.7-2.6GHz 20dB Gain Rectangular Waveguide Interface



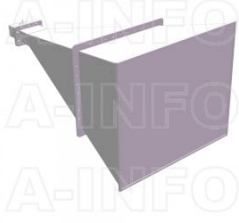
LB-430-20-C-NF Standard Gain Horn Antenna 1.7-2.6GHz 20dB Gain N Type Female



LB-430-20-C-NFSPO Standard Gain Horn Antenna 1.7-2.6GHz 20dB Gain N Type Female



LB-430-20-C-SF Standard Gain Horn Antenna 1.7-2.6GHz 20dB Gain SMA Female



LB-430-20-C-SFSP0 Standard Gain Horn Antenna 1.7-2.6GHz 20dB Gain SMA Female



LB-430-20-C-7/16F Standard Gain Horn Antenna 1.7-2.6GHz 20dB Gain 7/16(DIN) Female

About this Datasheet

<ul style="list-style-type: none"> ● Product Information Product Link: https://www.ainfoinc.com/lb-430-20-c-7-16fsp0-standard-gain-horn-antenna-1-7-2-6-ghz-20db-gain-7-16-din-female Data subject to change without notice. © A-INFO INC. 2023. All Rights Reserved 	<ul style="list-style-type: none"> ● Contact Us Address:dd 60 Tesla, Irvine, CA 92618, USA Website: www.ainfoinc.com Email: sales@ainfoinc.com 	<ul style="list-style-type: none"> ● Phone & Fax Phone: +1-949-639-9688 +1-949-639-9608 Fax: +1-949-639-9670
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