

LB-2100-10-C-7/16F Standard Gain Horn Antenna 0.35-0.53GHz 10dB Gain 7/16(DIN) Female

Standard Gain Horn Antenna Operating From 0.35GHz to 0.53GHz With a Nominal 10dB Gain With 7/16(DIN) Female Connector



Product Information

SKU	LB-2100-10-C-7/16F
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Description

Standard Gain Horn Antenna LB-2100-10-C-7/16F, operating from 0.35 to 0.53GHz with a nominal 10dB gain and low VSWR 1.25:1 with 7/16(DIN) Female connector output. The model LB-2100-10-C-7/16F has uniform gain through its frequency span, providing efficient performance characteristics and directionality. It can handle 800W continuously and 3000W 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

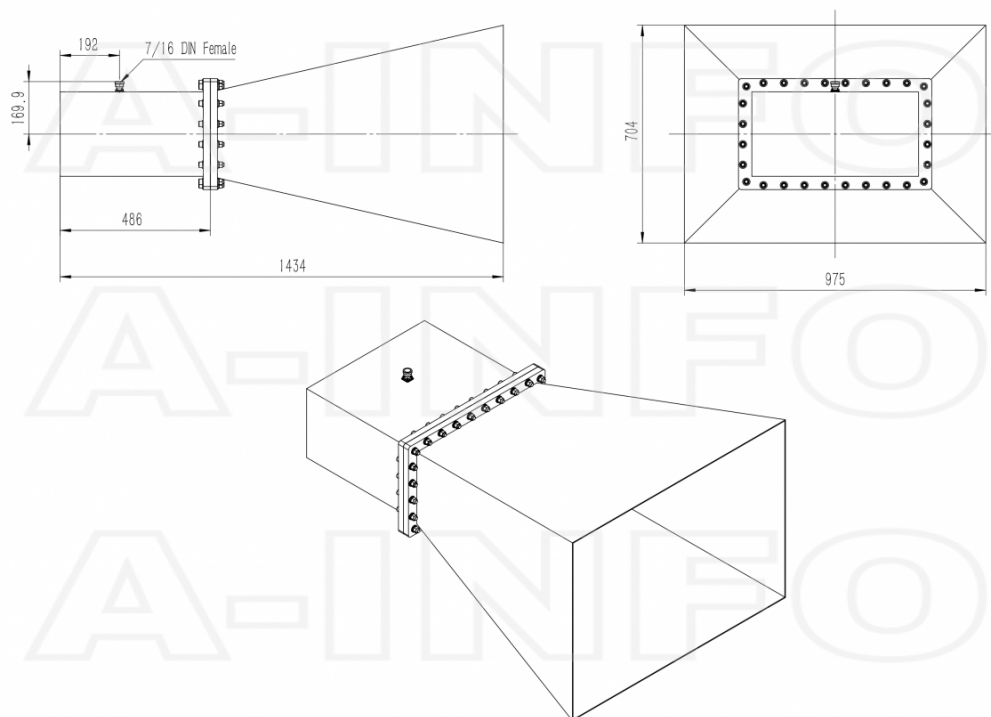
Electrical Specification		Interface	
Frequency, Min (GHz)	0.35	Output Type	Coaxial
Frequency, Max (GHz)	0.53	Connector	7/16 DIN
Waveguide Type	Rectangular	Connector Gender	Female
Waveguide Size EIA WR	WR2100	Mechanical Specification	
Gain, Typ (dBi)	10	Figure	C Type
Polarization	Linear	Body Material	Al
3dB Beamwidth, E-Plane, Typ (Deg.)	46	Finish	Chemical Conversion Coating, Gray Paint
3dB Beamwidth, H-Plane, Typ (Deg.)	50	Size, W (mm)	975
Cross Pol. Isolation, Typ (dB)	30	Size, H (mm)	704
VSWR, Typ	1.25:1	Size, L (mm)	1434
Impedance, (Ohm)	50	Weight, (kg)	42
Power Handling, CW, (W)	800		
Power Handling, Peak, (W)	3000		

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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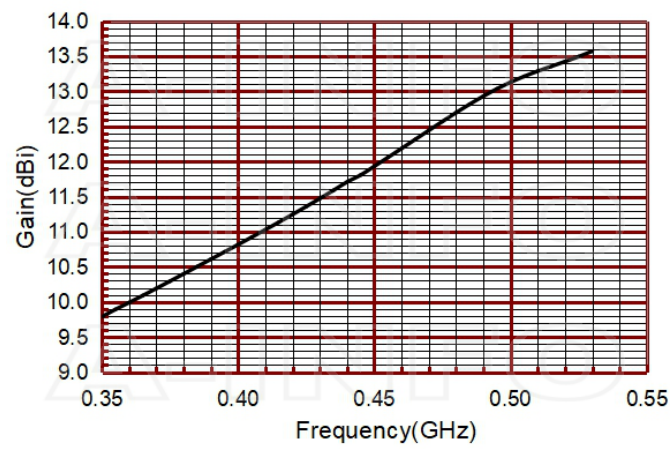
Outline Drawing

7/16(DIN) Female Output (P/N: LB-2100-10-C-7/16F)

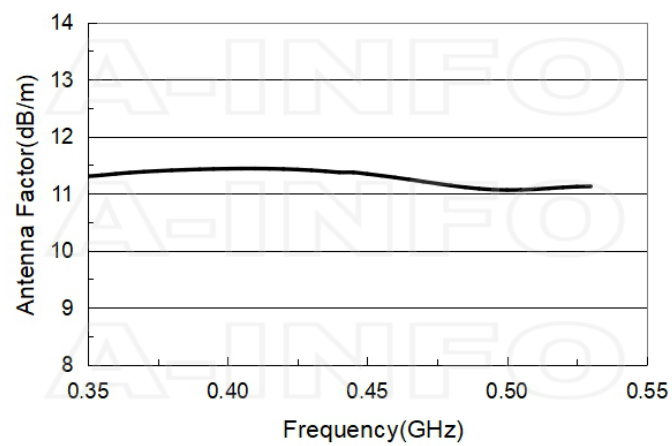


Typical Test Results

Gain



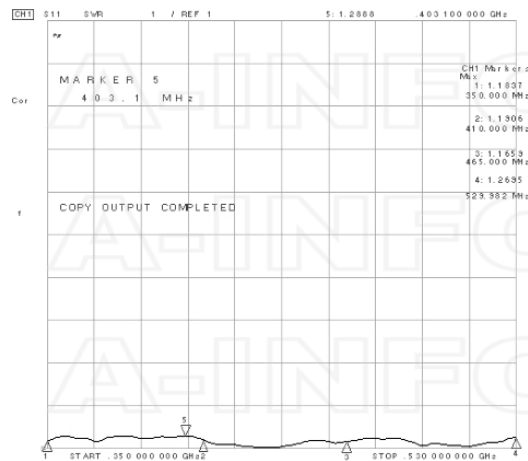
Antenna Factor



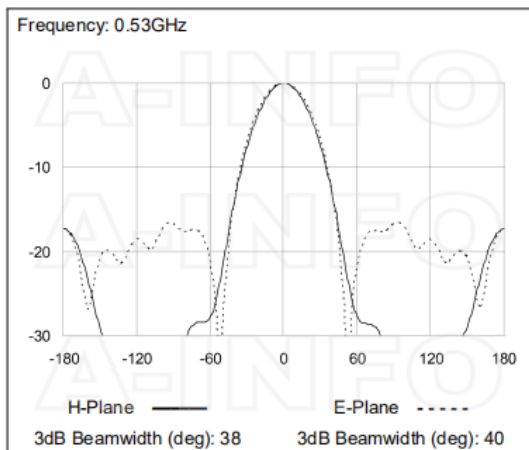
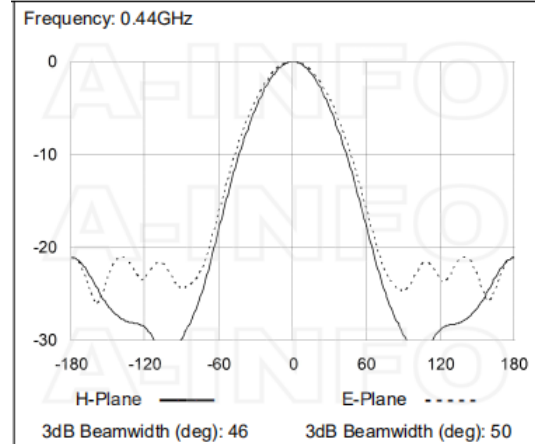
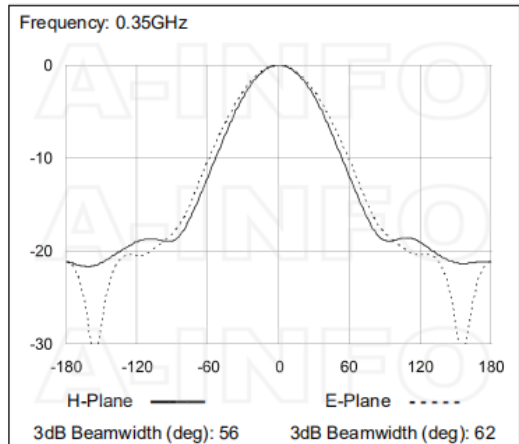
Antenna Factor (Table)

Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)	Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
0.350	9.79	11.30	0.445	11.81	11.37
0.355	9.89	11.32	0.450	11.93	11.34
0.360	9.99	11.35	0.455	12.06	11.31
0.365	10.09	11.37	0.460	12.18	11.28
0.370	10.19	11.38	0.465	12.31	11.25
0.375	10.29	11.40	0.470	12.44	11.21
0.380	10.40	11.41	0.475	12.57	11.17
0.385	10.50	11.42	0.480	12.69	11.14
0.390	10.61	11.42	0.485	12.81	11.11
0.395	10.71	11.43	0.490	12.93	11.09
0.400	10.82	11.44	0.495	13.03	11.07
0.405	10.92	11.44	0.500	13.13	11.06
0.410	11.03	11.44	0.505	13.21	11.06
0.415	11.14	11.44	0.510	13.29	11.08
0.420	11.25	11.43	0.515	13.35	11.09
0.425	11.36	11.42	0.520	13.42	11.11
0.430	11.47	11.41	0.525	13.49	11.12
0.435	11.59	11.39	0.530	13.57	11.13
0.44	11.71	11.37			

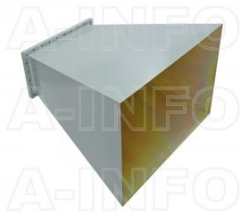
VSWR



Pattern



Similar Products



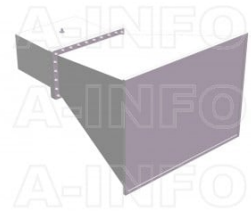
LB-2100-10-A Standard Gain
Horn Antenna 0.35-0.53GHz 10dB
Gain Rectangular Waveguide
Interface



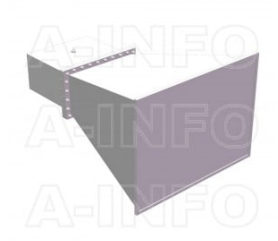
LB-2100-10-ASPO Standard Gain
Horn Antenna 0.35-0.53GHz 10dB
Gain Rectangular Waveguide
Interface



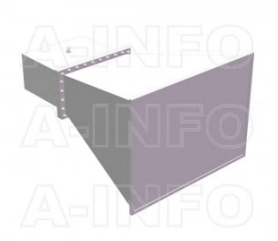
LB-2100-10-C-NF Standard Gain
Horn Antenna 0.35-0.53GHz 10dB
Gain N Type Female



LB-2100-10-C-NFSPO Standard
Gain Horn Antenna 0.35-0.53GHz
10dB Gain N Type Female



LB-2100-10-C-SFSP0 Standard
Gain Horn Antenna 0.35-0.53GHz
10dB Gain SMA Female



LB-2100-10-C-7/16FSP0
Standard Gain Horn Antenna
0.35-0.53GHz 10dB Gain
7/16(DIN) Female



LB-2100-10-C-SF Standard Gain
Horn Antenna 0.35-0.53GHz 10dB
Gain SMA Female

About this Datasheet

• Product Information Product Link: https://www.ainfoinc.com/lb-2100-10-c-7-16f-standard-gain-horn-antenna-0-35-0-53-ghz-10db-gain-7-16-din-female 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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