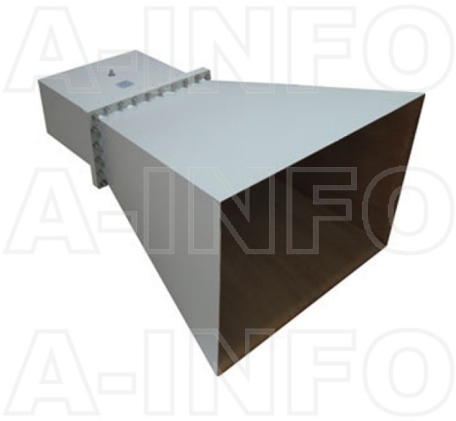




LB-2100-10-C-NF Standard Gain Horn Antenna 0.35-0.53GHz 10dB Gain N Type Female

Standard Gain Horn Antenna Operating From 0.35GHz to 0.53GHz With a Nominal 10dB Gain With N Type Female Connector

Product Information

SKU	LB-2100-10-C-NF
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Description

Standard Gain Horn Antenna LB-2100-10-C-NF, operating from 0.35 to 0.53GHz with a nominal 10dB gain and low VSWR 1.25:1 with N Type Female connector output. The model LB-2100-10-C-NF 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 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

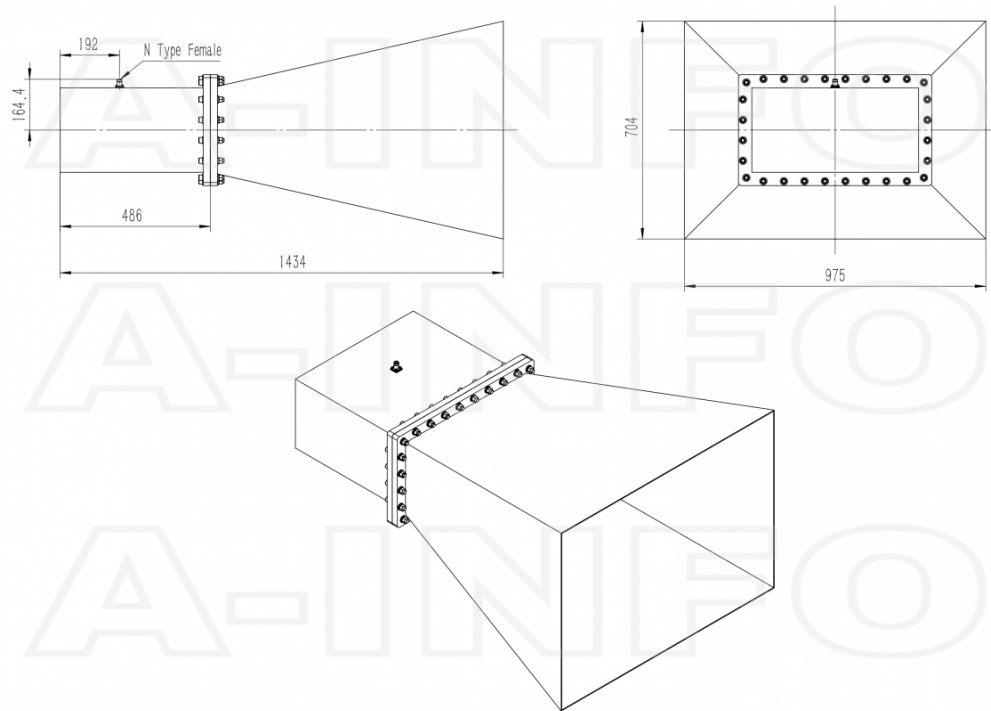
Electrical Specification		Interface	
Frequency, Min (GHz)	0.35	Output Type	Coaxial
Frequency, Max (GHz)	0.53	Connector	N Type
Waveguide Type	Rectangular	Connector Gender	Female
Waveguide Size EIA WR	WR2100	Mechanical Specification	
Gain, Typ (dBi)	10	Figure	C Type
Polarization	Linear	Body Material	Al
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)	500		
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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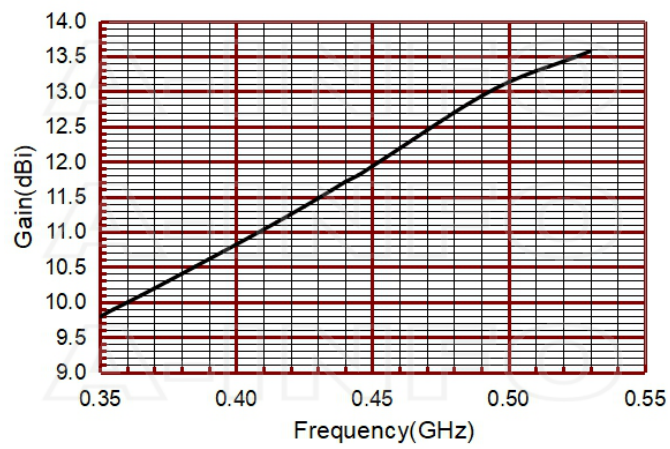
Outline Drawing

N-Female Output (P/N: LB-2100-10-C-NF)

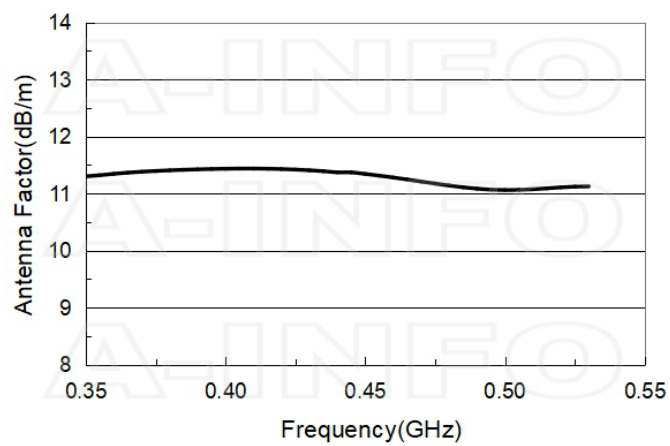


Typical Test Results

Gain



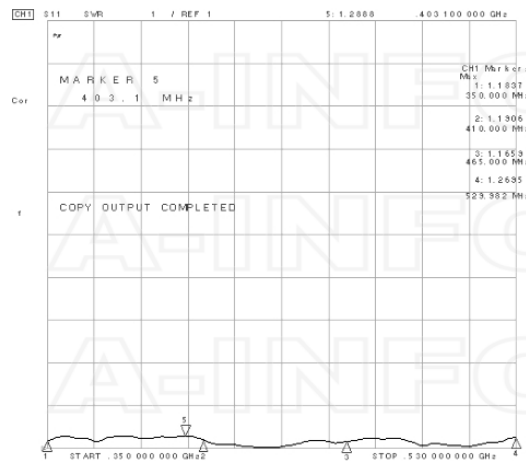
Antenna Factor



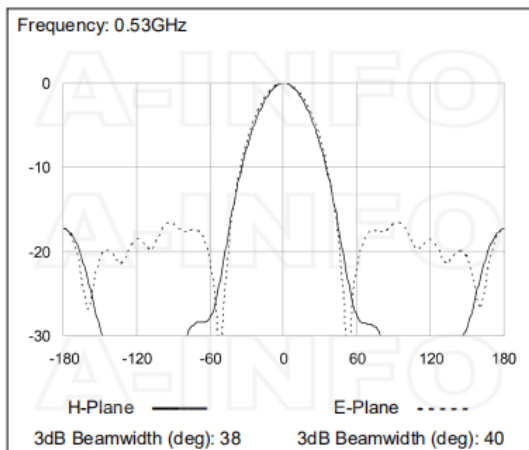
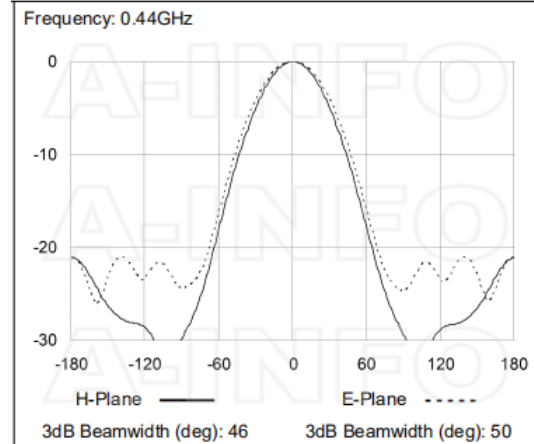
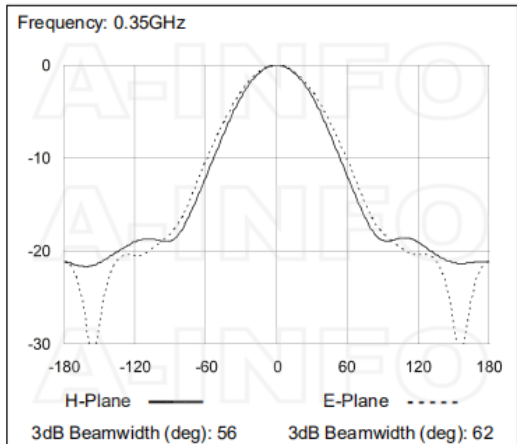
Antenna Factor (Table)

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



Related Products



NM-NM-A050-1000 Flexible Cable Assembly 1000mm DC-18GHz N Male to N Male



NM-NM-A050-1500 Flexible Cable Assembly 1500mm DC-18GHz N Male to N Male



NM-NM-A050-2000 Flexible Cable Assembly 2000mm DC-18GHz N Male to N Male



NM-NM-A050-3000 Flexible Cable Assembly 3000mm DC-18GHz N Male to N Male



NM-NM-A050-5000 Flexible Cable Assembly 5000mm DC-18GHz N Male to N Male



NM-NM-A050-10000 Flexible Cable Assembly 10000mm DC-18GHz N Male to N Male



NM-NM-A050-20000 Flexible Cable Assembly 20000mm DC-18GHz N Male to N Male



NM-NM-A100-500 Flexible Cable Assembly 500mm DC-18GHz N Male to N Male



NM-NM-A100-1000 Flexible Cable Assembly 1000mm DC-18GHz N Male to N Male



NM-NM-A100-1500 Flexible Cable Assembly 1500mm DC-18GHz N Male to N Male



NM-NM-A100-2000 Flexible Cable Assembly 2000mm DC-18GHz N Male to N Male



NM-NM-A100-3000 Flexible Cable Assembly 3000mm DC-18GHz N Male to N Male



NM-NM-A100-5000 Flexible Cable Assembly 5000mm DC-18GHz N Male to N Male



NM-NM-A100-10000 Flexible Cable Assembly 10000mm DC-18GHz N Male to N Male

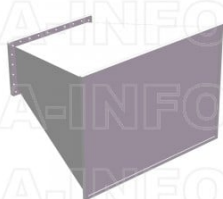


NM-NM-A100-20000 Flexible Cable Assembly 20000mm DC-18GHz N Male to N Male

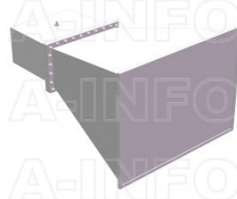
Similar Products



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



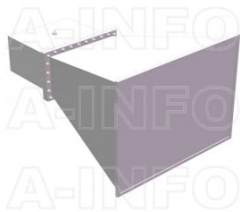
LB-2100-10-ASPO Standard Gain Horn Antenna 0.35-0.53GHz 10dB Gain Rectangular Waveguide Interface



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



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



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



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



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

About this Datasheet

● Product Information Product Link: https://www.ainfoinc.com/lb-2100-10-c-nf-standard-gain-horn-antenna-0-35-0-53-ghz-10db-gain-n-type-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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