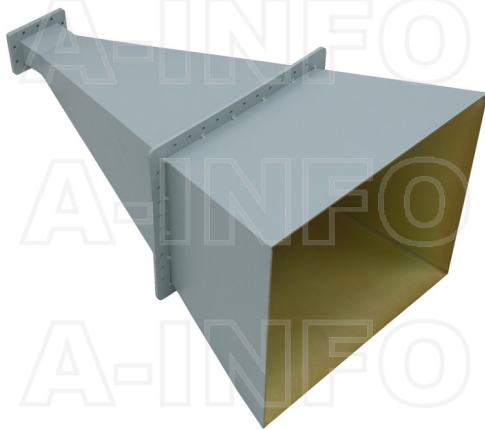




LB-340-20-A Standard Gain Horn Antenna 2.2-3.3GHz 20dB Gain Rectangular Waveguide Interface

Standard Gain Horn Antenna Operating From 2.2GHz to 3.3GHz With a Nominal 20dB Gain With Rectangular Waveguide Interface

Product Information

SKU	LB-340-20-A
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Description

Standard Gain Horn Antenna LB-340-20-A , operating from 2.2 to 3.3GHz with a nominal 20dB gain and low VSWR 1.15:1 with FDP26 output. The model LB-340-20-A has uniform gain through its frequency span, providing efficient performance characteristics and directionality. 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

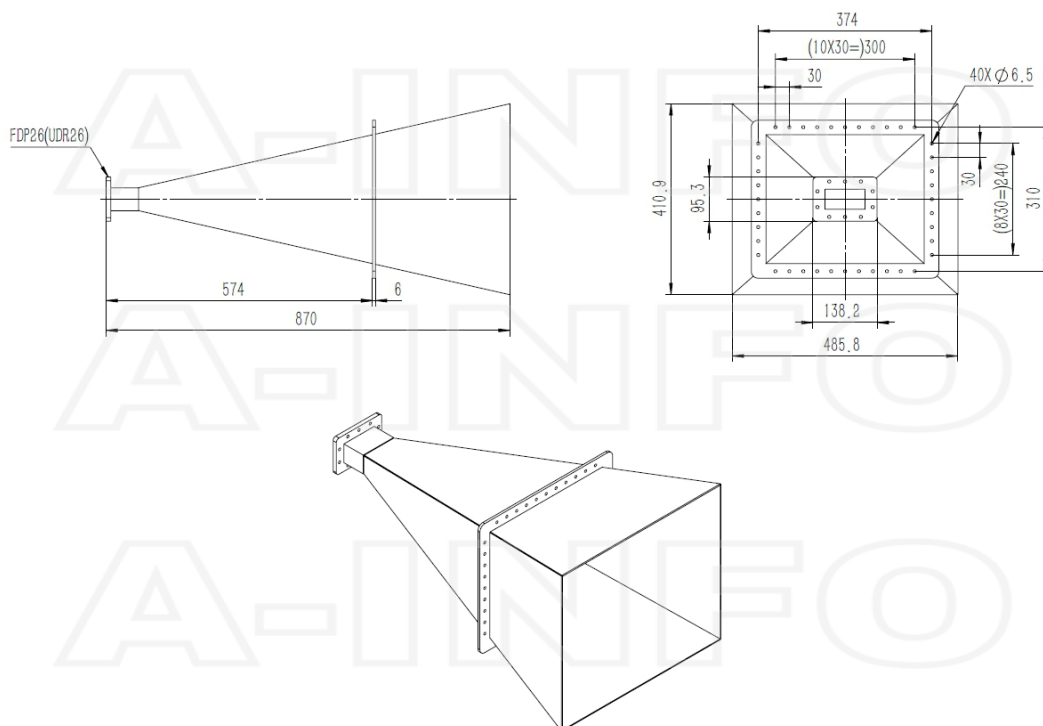
Electrical Specification		Interface	
Frequency, Min (GHz)	2.2	Output Type	Waveguide
Frequency, Max (GHz)	3.3	Flange Style	Rectangular
Waveguide Type	Rectangular	Flange Type	Cover
Waveguide Size EIA WR	WR340	Flange Designation	FDP26(UDR26)
Gain, Typ (dBi)	20	Mechanical Specification	
Polarization	Linear	Figure	A Type
3dB Beamwidth, E-Plane, Typ (Deg.)	16	Body Material	Al
3dB Beamwidth, H-Plane, Typ (Deg.)	18	Finish	Chemical Conversion Coating, Gray Paint
Cross Pol. Isolation, Typ (dB)	40	Size, W (mm)	485.8
VSWR, Typ	1.15:1	Size, H (mm)	410.9
		Size, L (mm)	870
		Weight, (kg)	7.9

Additional Information

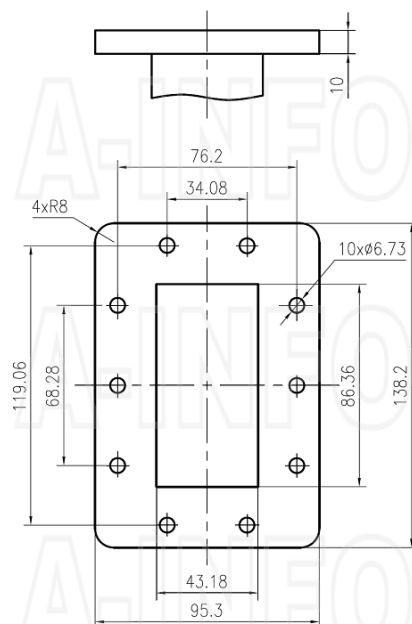
Application	General Purpose Indoor & Outdoor, Fixed	Solution for	Gain Reference Antenna Measurement Reflector Feed Far-field Measurement System Intergration Material Measurement
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Outline Drawing

FDP26 Output (P/N: LB-340-20-A)



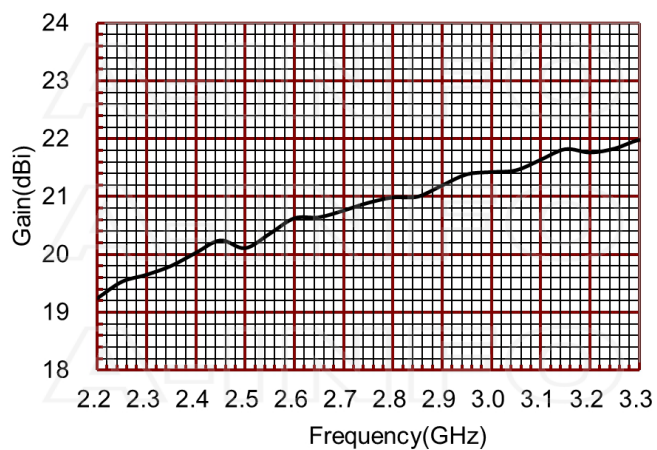
Flange Drawing



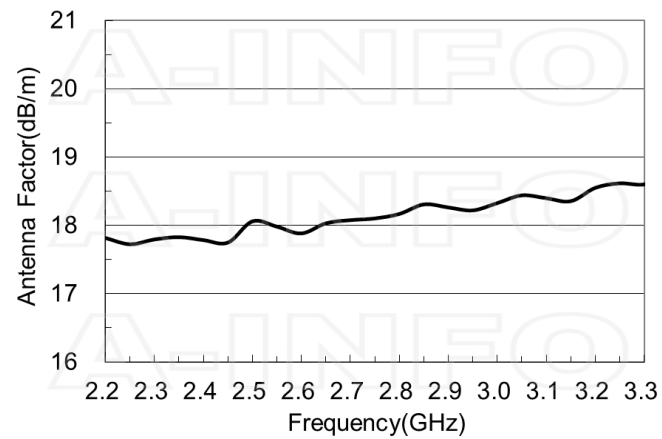
FDP26

Typical Test Results

Gain



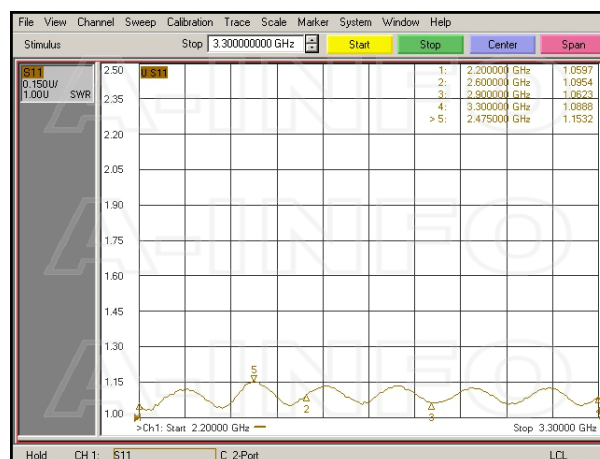
Antenna Factor



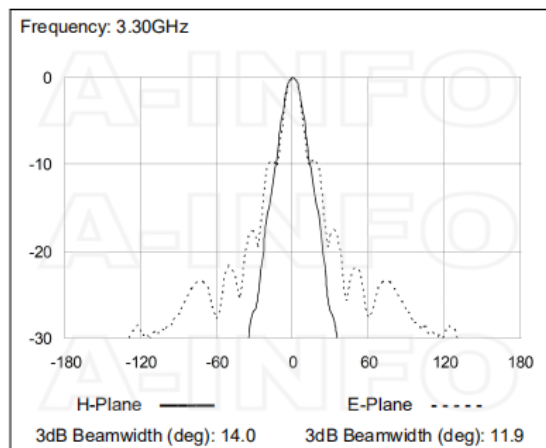
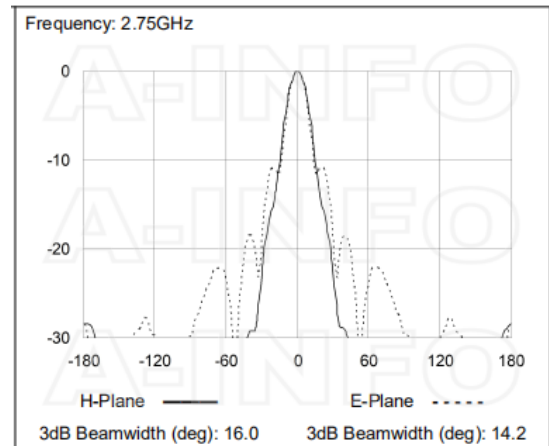
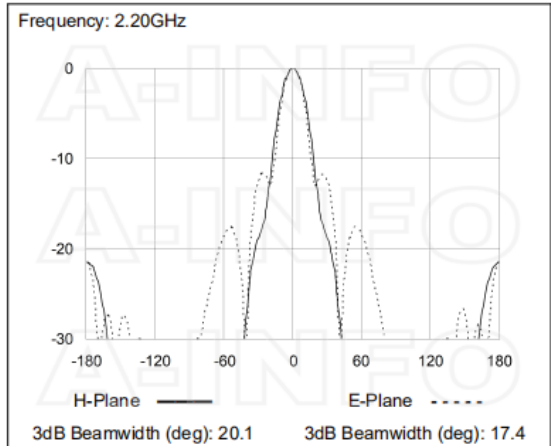
Antenna Factor (Table)

Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
2.2	19.24	17.82
2.3	19.65	17.80
2.4	20.03	17.79
2.5	20.11	18.06
2.6	20.63	17.88
2.7	20.76	18.08
2.8	20.98	18.17
2.9	21.19	18.26
3.0	21.42	18.33
3.1	21.64	18.40
3.2	21.76	18.55
3.3	21.98	18.60

VSWR



Pattern



Related Products



340WCAN Right Angle Rectangular Waveguide to Coaxial Adapter 2.2-3.3GHz WR340 to N Type Female



340WCANM Right Angle Rectangular Waveguide to Coaxial Adapter 2.2-3.3GHz WR340 to N Type Male



340WCAS Right Angle Rectangular Waveguide to Coaxial Adapter 2.2-3.3GHz WR340 to SMA Female



340WCASM Right Angle Rectangular Waveguide to Coaxial Adapter 2.2-3.3GHz WR340 to SMA Male



340WCA7/16 Right Angle Rectangular Waveguide to Coaxial Adapter 2.2-3.3GHz WR340 to 7/16 DIN Female



340WECAN Endlaunch Rectangular Waveguide to Coaxial Adapter 2.2-3.3GHz WR340 to N Type Female



340WECAS Endlaunch Rectangular Waveguide to Coaxial Adapter 2.2-3.3GHz WR340 to SMA Female

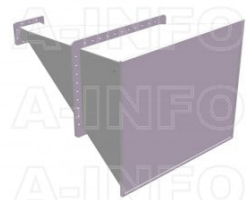


340WECAK Endlaunch Rectangular Waveguide to Coaxial Adapter 2.2-3.3GHz WR340 to 2.92mm Female

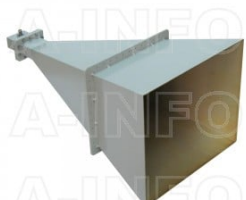


M6x35 Hex_Pack WR430-WR340 Flange Assembly Pack

Similar Products



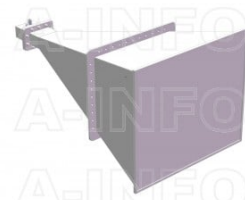
LB-340-20-ASPO Standard Gain Horn Antenna 2.2-3.3GHz 20dB Gain Rectangular Waveguide Interface



LB-340-20-C-NF Standard Gain Horn Antenna 2.2-3.3GHz 20dB Gain N Type Female



LB-340-20-C-NFSPO Standard Gain Horn Antenna 2.2-3.3GHz 20dB Gain N Type Female



LB-340-20-C-SFSPO Standard Gain Horn Antenna 2.2-3.3GHz 20dB Gain SMA Female



LB-340-20-C-SF Standard Gain Horn Antenna 2.2-3.3GHz 20dB Gain SMA Female



LB-340-20-C-7/16F Standard Gain Horn Antenna 2.2-3.3GHz 20dB Gain 7/16(DIN) Female



LB-340-20-C-7/16FSPO Standard Gain Horn Antenna 2.2-3.3GHz 20dB Gain 7/16(DIN) Female

About this Datasheet

● Product Information Product Link: https://www.ainfoinc.com/lb-340-20-a-standard-gain-horn-antenna-2-2-3-3-ghz-20db-gain-fdp26 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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