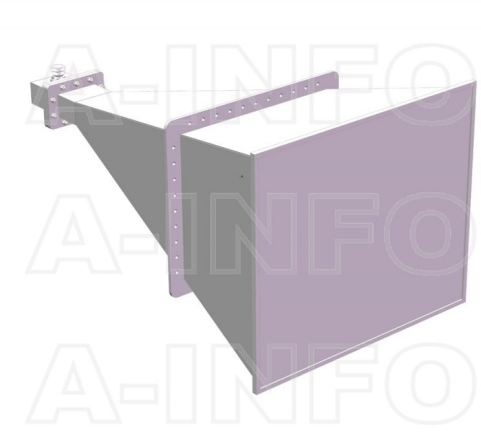


LB-340-20-C-7/16FSPO Standard Gain Horn Antenna 2.2-3.3GHz 20dB Gain 7/16(DIN) Female

Standard Gain Horn Antenna Operating From 2.2GHz to 3.3GHz With a Nominal 20dB Gain With 7/16(DIN) Female Connector

Product Information

SKU	LB-340-20-C-7/16FSPO

Description

Standard Gain Horn Antenna LB-340-20-C-7/16FSPO, operating from 2.2 to 3.3GHz with a nominal 20dB gain and low VSWR 1.25:1 with 7/16(DIN) Female connector output. The model LB-340-20-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)	2.2
Frequency, Max (GHz)	3.3
Waveguide Type	Rectangular
Waveguide Size EIA WR	WR340
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

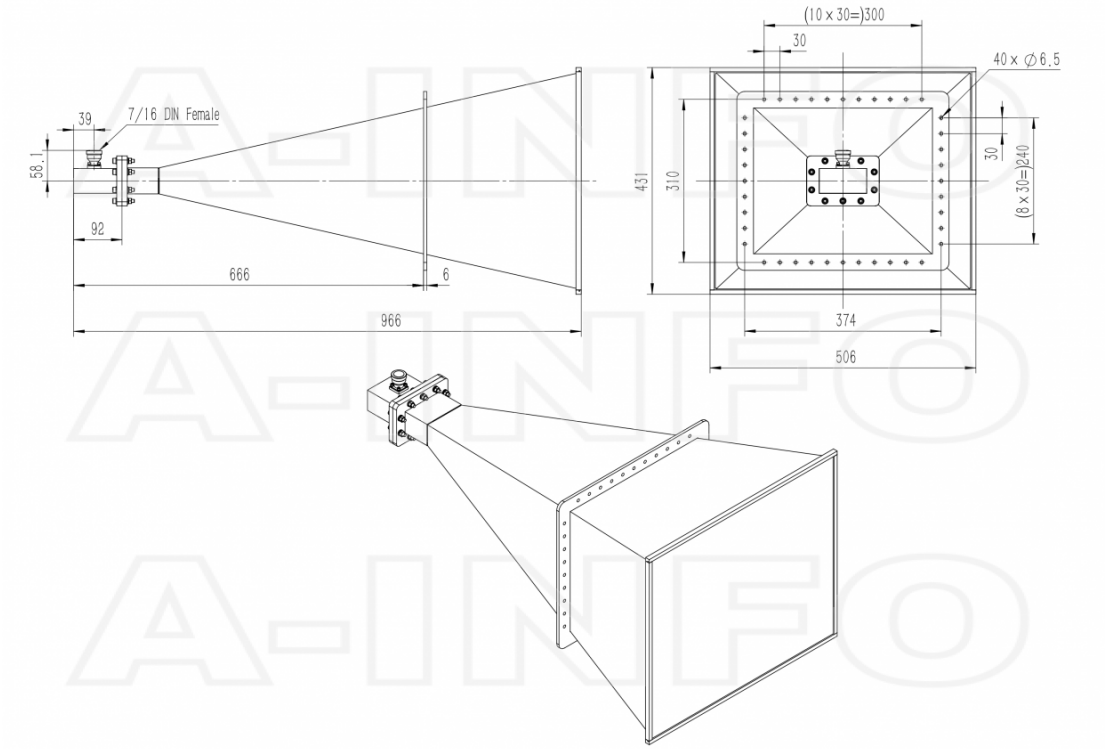
Interface	
Output Type	Coaxial
Connector	7/16 DIN
Connector Gender	Female
Mechanical Specification	
Figure	C Type
Body Material	Al
Finish	Chemical Conversion Coating, Gray Paint
Size, W (mm)	506
Size, H (mm)	431
Size, L (mm)	966
Weight, (kg)	9.4

Additional Information

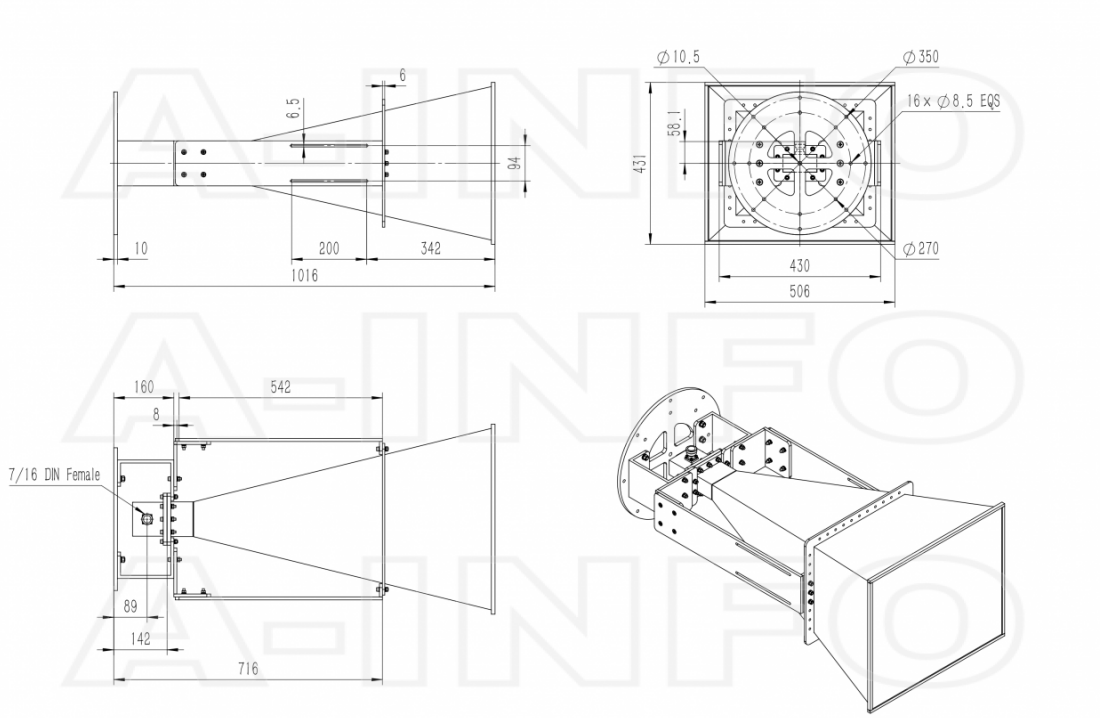
Application	Outdoor, Waterproof and Dustproof, Fixed	Solution for	Gain Reference Antenna Measurement Reflector Feed Far-field Measurement System Intergration Material Measurement

Outline Drawing

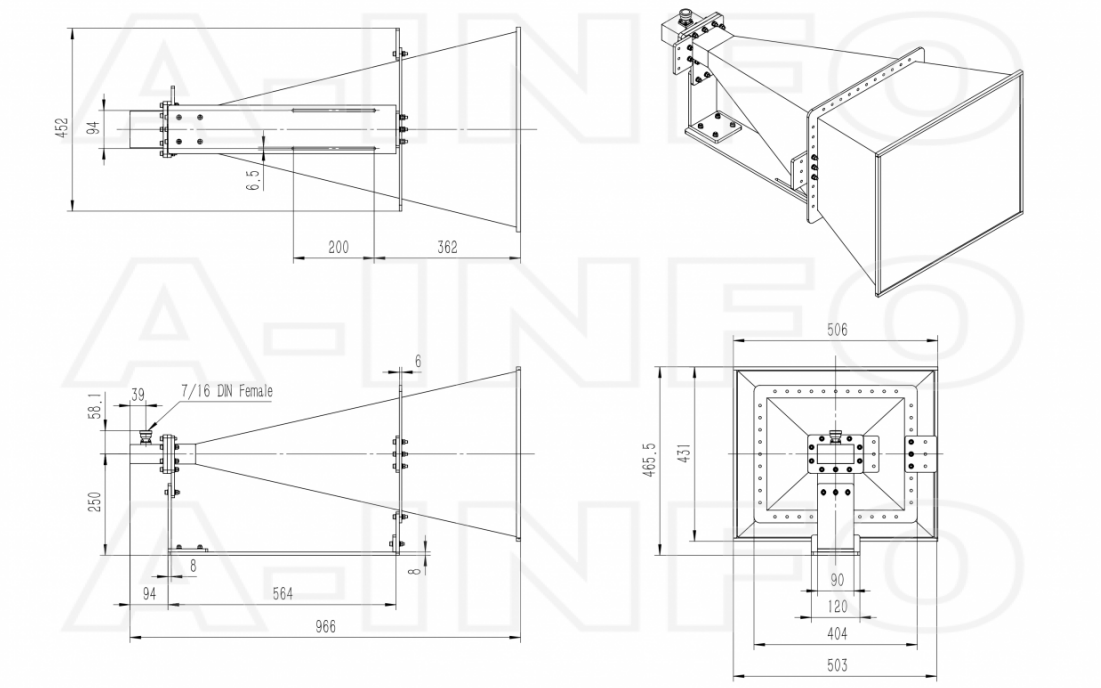
7/16(DIN) Female Output with Radome (Option, P/N: LB-340-20-C-7/16FSPO, Outdoor Application)



7/16(DIN) Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-340-20-MB2 & LB-340-20-C-7/16FSPO, Outdoor Application)

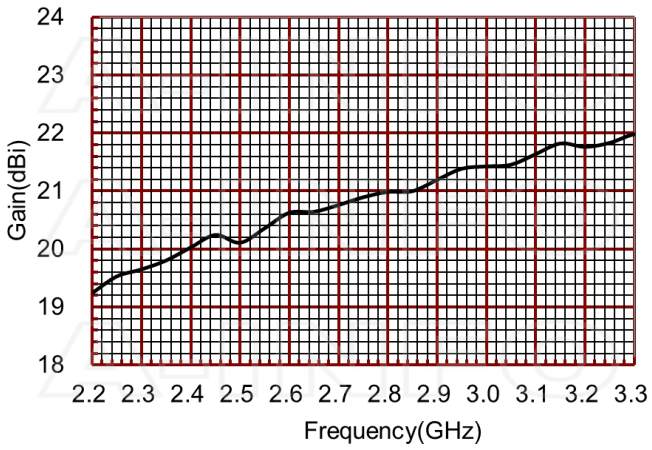


7/16(DIN) Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-340-20-L2 & LB-340-20-C-7/16FSPO, Outdoor Application)

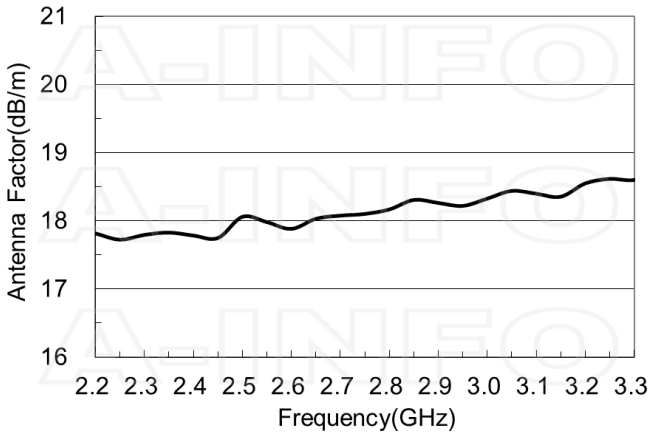


Typical Test Results

Gain



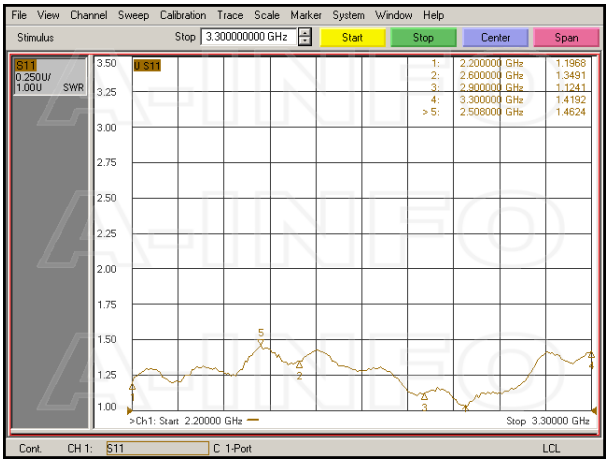
Antenna Factor



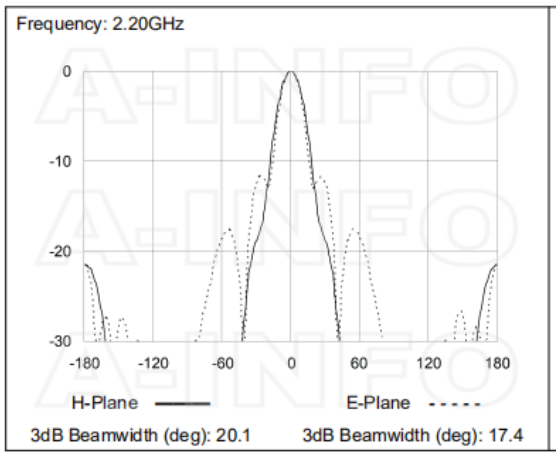
Antenna Factor (Table)

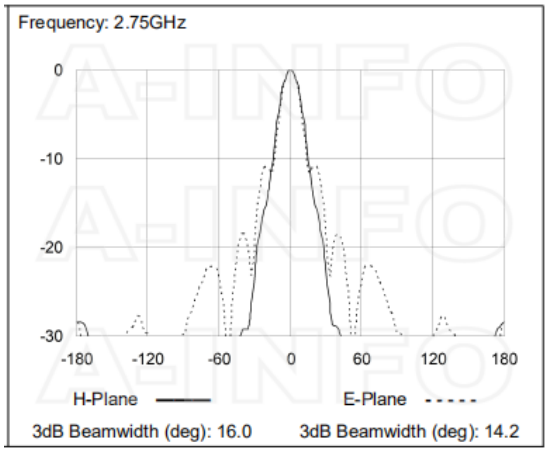
Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
2.2	19.24	17.82
2.3	19.65	17.80
2.4	20.03	17.79
2.5	20.11	18.06
2.6	20.63	17.88
2.7	20.76	18.08
2.8	20.98	18.17
2.9	21.19	18.26
3.0	21.42	18.33
3.1	21.64	18.40
3.2	21.76	18.55
3.3	21.98	18.60

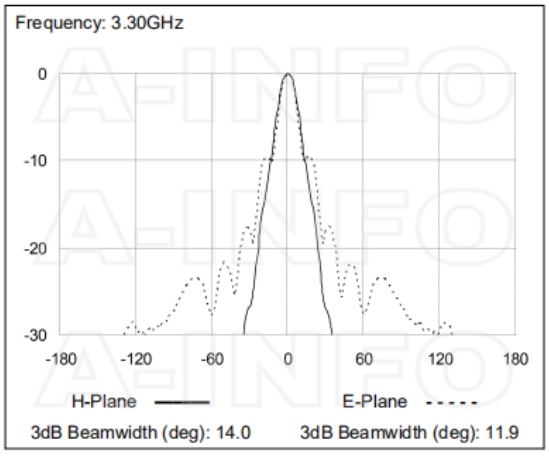
VSWR



Pattern







Related Products

LB-340-20-MB2 Round Type Mounting Bracket

LB-340-20-L2 L type mounting bracket

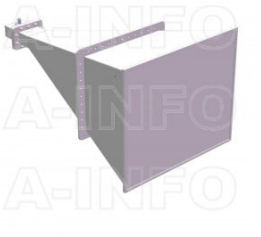
Carrying Case_LB-340-20-C Al Alloy Carrying Case

Similar Products

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

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

About this Datasheet

● Product Information Product Link: https://www.ainfoinc.com/lb-340-20-c-7-16fspo-standard-gain-horn-antenna-2-2-3-3-ghz-20db-gain-7-16-din-female Data subject to change without notice. 	● 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