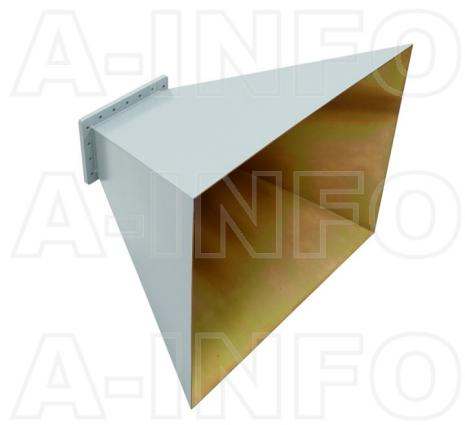




LB-975-15-A Standard Gain Horn Antenna 0.75-1.12GHz 15dB Gain Rectangular Waveguide Interface

Standard Gain Horn Antenna Operating From 0.75GHz to 1.12GHz With a Nominal 15dB Gain With Rectangular Waveguide Interface

Product Information

SKU	LB-975-15-A
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Description

Standard Gain Horn Antenna LB-975-15-A, operating from 0.75 to 1.12GHz with a nominal 15dB gain and low VSWR 1.15:1 with FDP9 output. The model LB-975-15-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

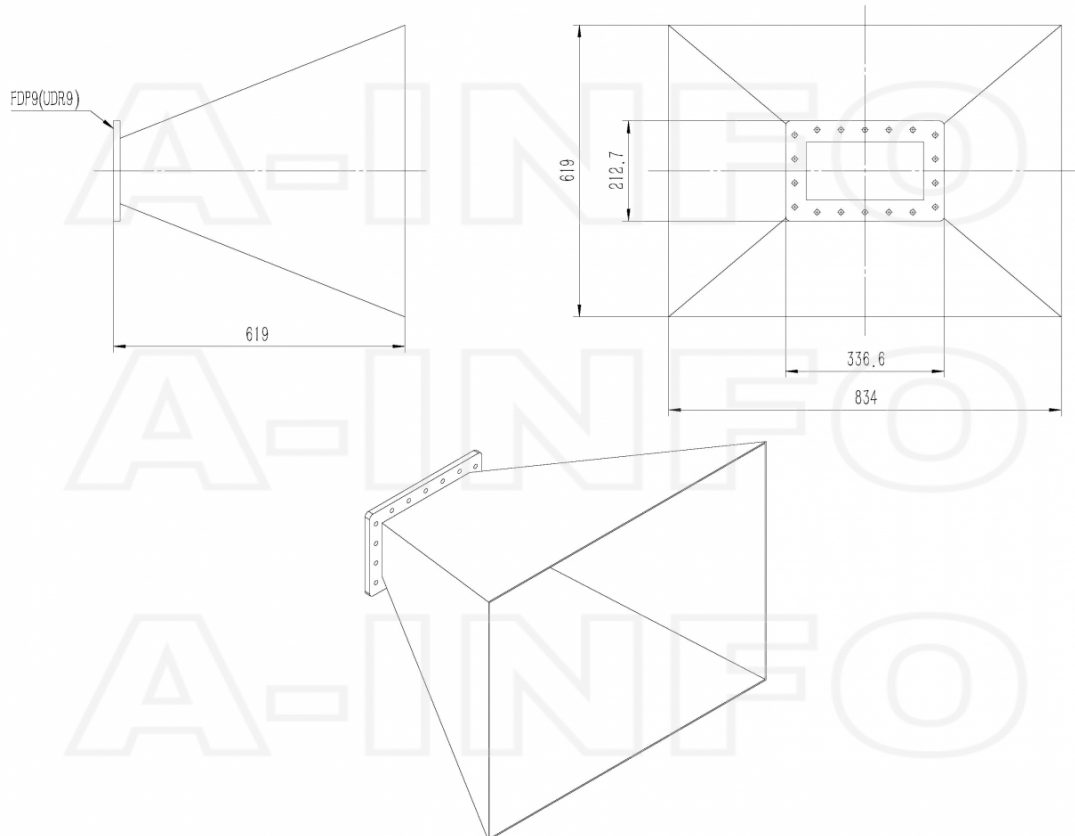
Electrical Specification		Interface	
Frequency, Min (GHz)	0.75	Output Type	Waveguide
Frequency, Max (GHz)	1.12	Flange Style	Rectangular
Waveguide Type	Rectangular	Flange Type	Cover
Waveguide Size EIA WR	WR975	Flange Designation	FDP9(UDR9)
Gain, Typ (dBi)	15	Mechanical Specification	
Polarization	Linear	Figure	A Type
3dB Beamwidth, E-Plane, Typ (Deg.)	28	Body Material	Al
3dB Beamwidth, H-Plane, Typ (Deg.)	28	Finish	Chemical Conversion Coating, Gray Paint
Cross Pol. Isolation, Typ (dB)	35	Size, W (mm)	834
VSWR, Typ	1.15:1	Size, H (mm)	619
		Size, L (mm)	619
		Weight, (kg)	12.1

Additional Information

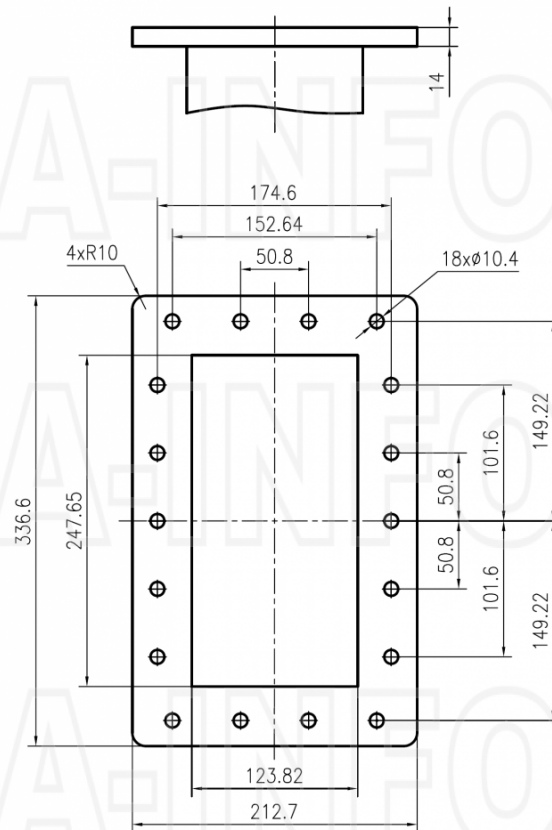
Application	General Purpose Indoor & Outdoor, Fixed	Solution for	Gain Reference Antenna Measurement Reflector Feed Far-field Measurement System Intergration Material Measurement
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Outline Drawing

FDP9 Output (P/N: LB-975-15-A)



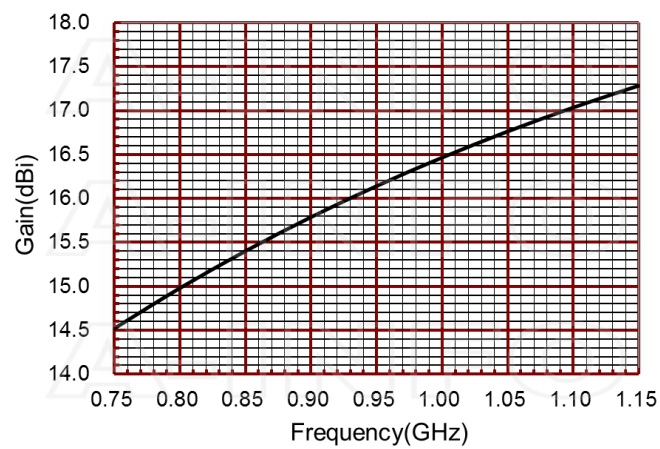
Flange Drawing



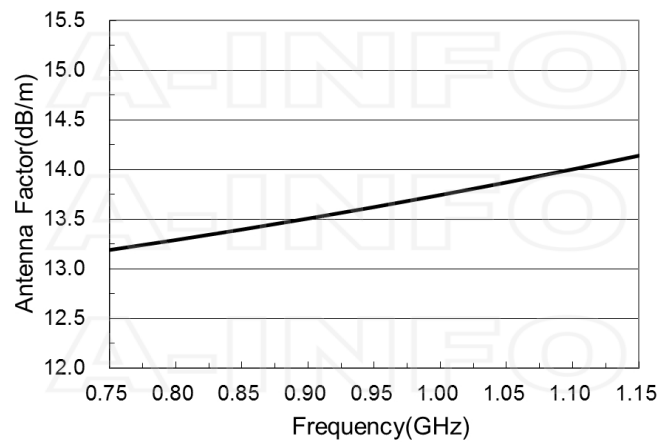
FDP9

Typical Test Results

Gain



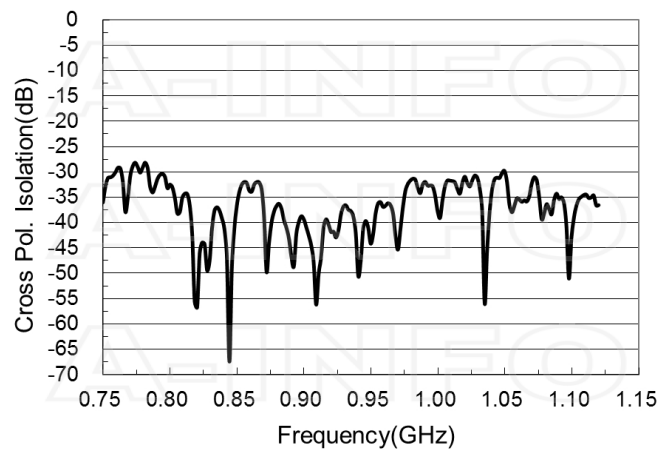
Antenna Factor



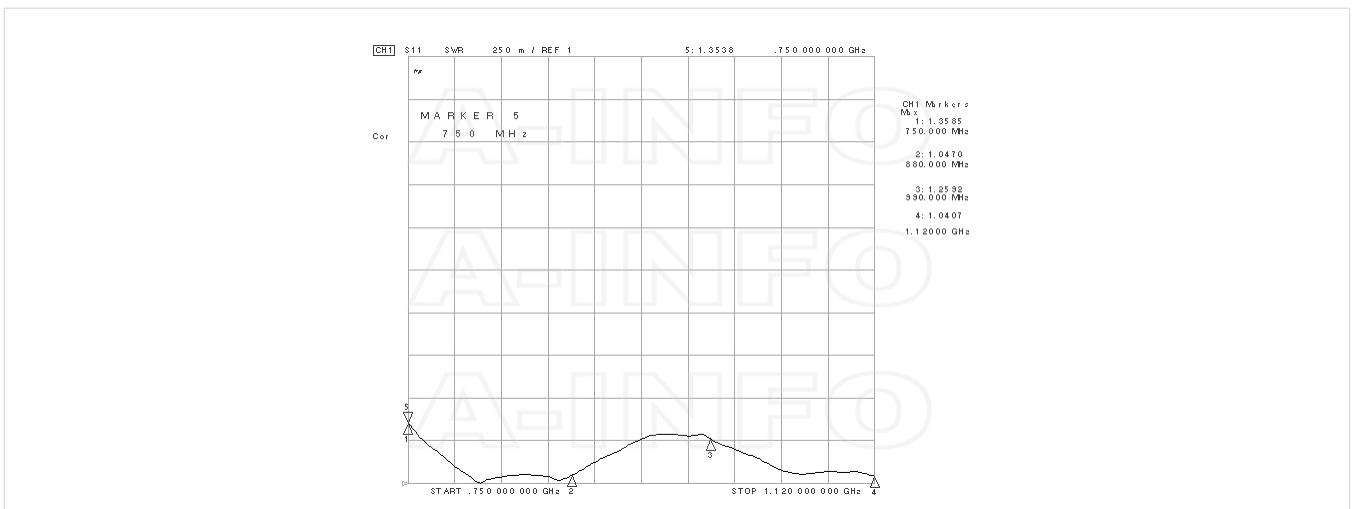
Antenna Factor (Table)

Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
0.75	14.52	13.19
0.80	14.98	13.29
0.85	15.40	13.40
0.90	15.79	13.51
0.95	16.14	13.62
1.00	16.47	13.74
1.05	16.76	13.87
1.10	17.04	14.00
1.15	17.28	14.14

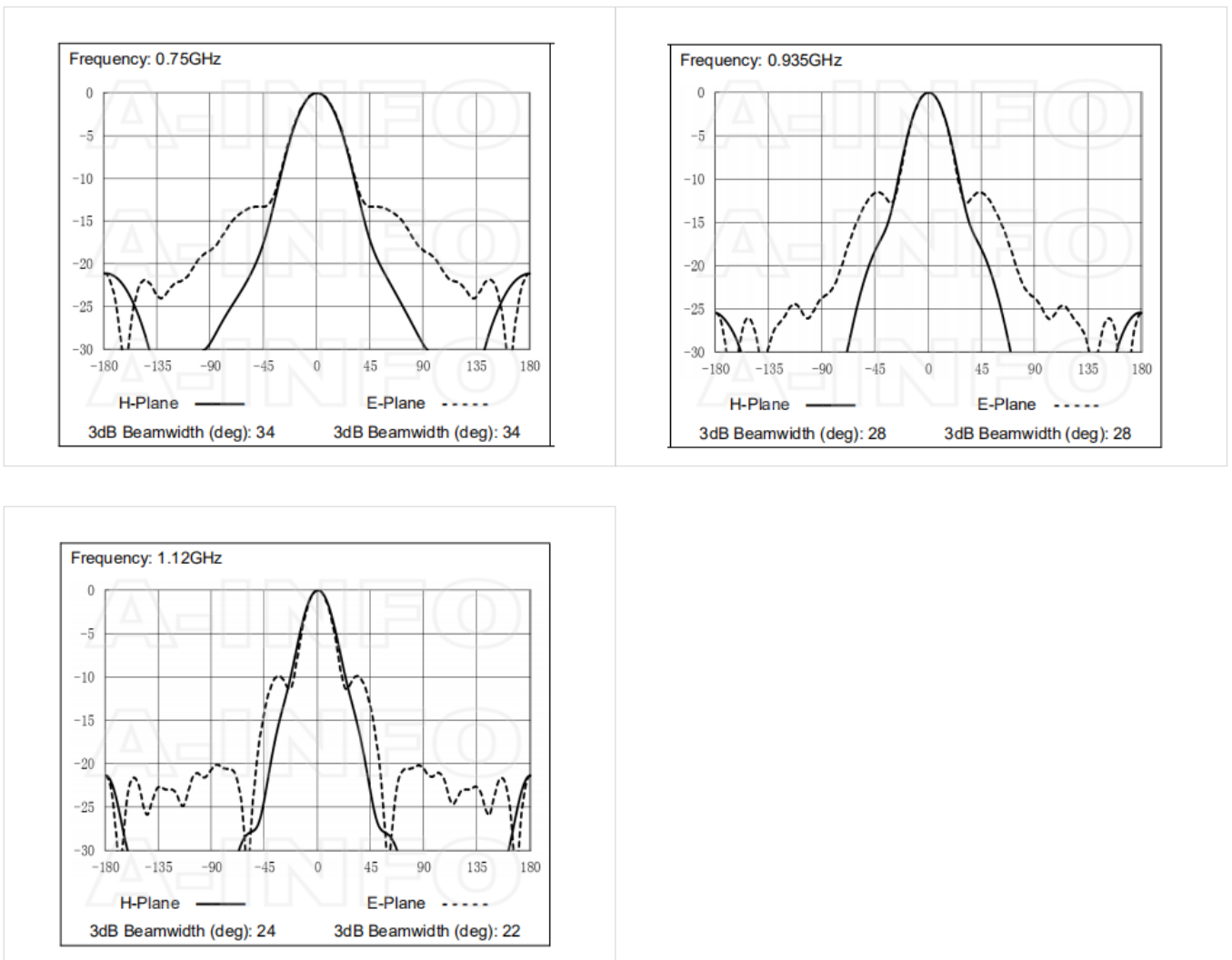
Cross Polarization Isolation



VSWR



Pattern



Related Products



975WCAN Right Angle
Rectangular Waveguide to
Coaxial Adapter 0.75-1.12GHz
WR975 to N Type Female



975WCANM Right Angle
Rectangular Waveguide to
Coaxial Adapter 0.75-1.12GHz
WR975 to N Type Male



975WCAS Right Angle
Rectangular Waveguide to
Coaxial Adapter 0.75-1.12GHz
WR975 to SMA Female



975WCASM Right Angle
Rectangular Waveguide to
Coaxial Adapter 0.75-1.12GHz
WR975 to SMA Male



975WCA7/16 Right Angle
Rectangular Waveguide to
Coaxial Adapter 0.75-1.12GHz
WR975 to 7/16 DIN Female



975WECAN Endlaunch
Rectangular Waveguide to
Coaxial Adapter 0.75-1.12GHz
WR975 to N Type Female

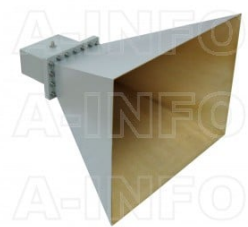


M10x50 Hex_Pack WR975 Flange
Assembly Pack

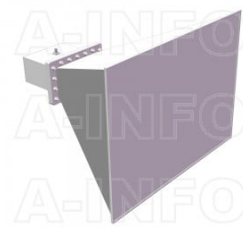
Similar Products



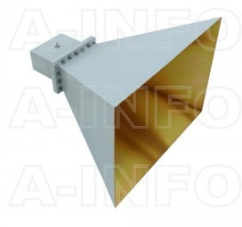
LB-975-15-ASPO Standard Gain
Horn Antenna 0.75-1.12GHz 15dB
Gain Rectangular Waveguide
Interface



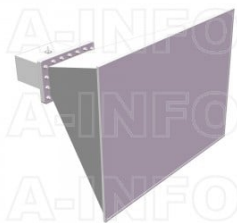
LB-975-15-C-NF Standard Gain
Horn Antenna 0.75-1.12GHz 15dB
Gain N Type Female



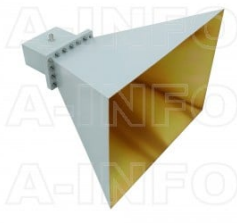
LB-975-15-C-NFSPO Standard
Gain Horn Antenna 0.75-1.12GHz
15dB Gain N Type Female



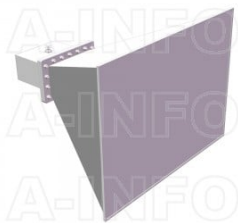
LB-975-15-C-SF Standard Gain
Horn Antenna 0.75-1.12GHz 15dB
Gain SMA Female



LB-975-15-C-SFSPO Standard
Gain Horn Antenna 0.75-1.12GHz
15dB Gain SMA Female



LB-975-15-C-7/16F Standard
Gain Horn Antenna 0.75-1.12GHz
15dB Gain 7/16(DIN) Female



LB-975-15-C-7/16FSPO Standard
Gain Horn Antenna 0.75-1.12GHz
15dB Gain 7/16(DIN) Female

About this Datasheet

● Product Information Product Link: https://www.ainfoinc.com/lb-975-15-a-standard-gain-horn-antenna-0-75-1-12-ghz-15db-gain-fdp9 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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