

LB-OH-320-10-C-SFSP0 Octave Horn Antenna 2-4GHz 10dB Gain SMA Female



Octave Horn Antenna Operating From 2GHz to 4GHz With a Nominal 10dB Gain With SMA Female Connector

### Product Information

SKU	LB-OH-320-10-C-SFSP0
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### Description

Octave horn antenna LB-OH-320-10-C-SFSP0, operating from 2 to 4GHz with a nominal 10dB gain and low VSWR 1.5:1 with SMA Female output connector. The model LB-OH-320-10-C-SFSP0 has uniform gain through its frequency span, providing efficient performance characteristics and directionality. It can handle 50W 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 octave horn antenna is linearly polarized and ideally suited for EMI testing, direction finding, surveillance, antenna gain and pattern measurements and other applications.

### Technical Specification

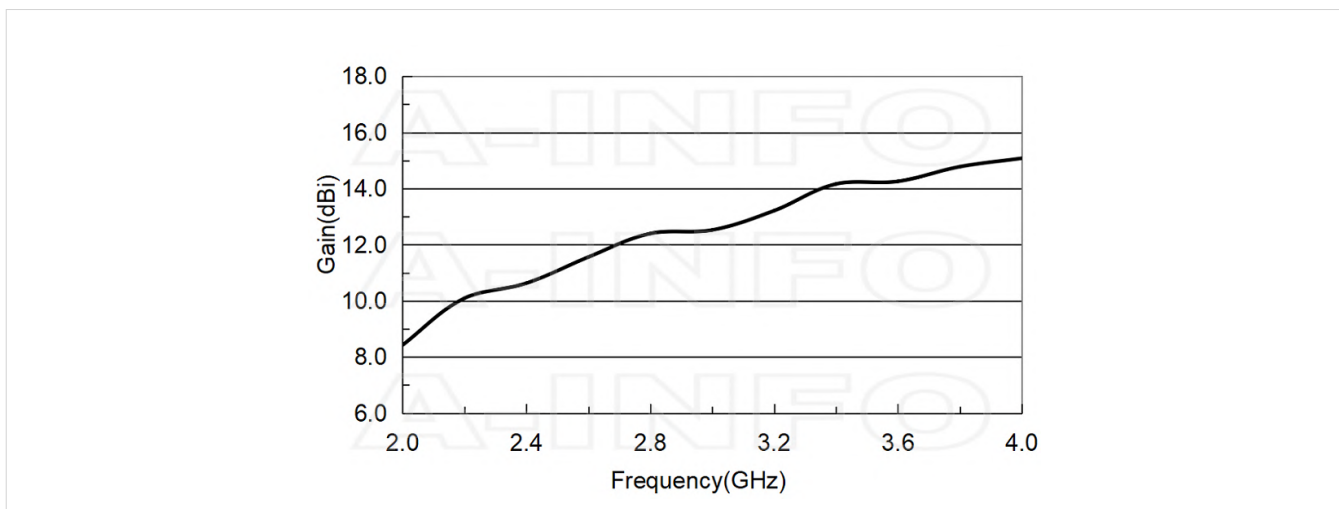
Electrical Specification		Interface	
Frequency, Min (GHz)	2	Output Type	Coaxial
Frequency, Max (GHz)	4	Connector	SMA
Gain, Typ (dBi)	10	Connector Gender	Female
Polarization	Linear	Mechanical Specification	
3dB Beamwidth, E-Plane, Min (Deg.)	29	Body Material	Al
3dB Beamwidth, E-Plane, Max (Deg.)	75	Finish	Chemical Conversion Coating, Gray Paint
3dB Beamwidth, H-Plane, Min (Deg.)	29	Size, W (mm)	171
3dB Beamwidth, H-Plane, Max (Deg.)	68	Size, H (mm)	131
Cross Pol. Isolation, Typ (dB)	40	Size, L (mm)	260
VSWR, Typ	1.5:1	Weight, (kg)	1.5
Impedance, (Ohm)	50		
Power Handling, CW, (W)	50		
Power Handling, Peak, (W)	3000		

## Additional Information

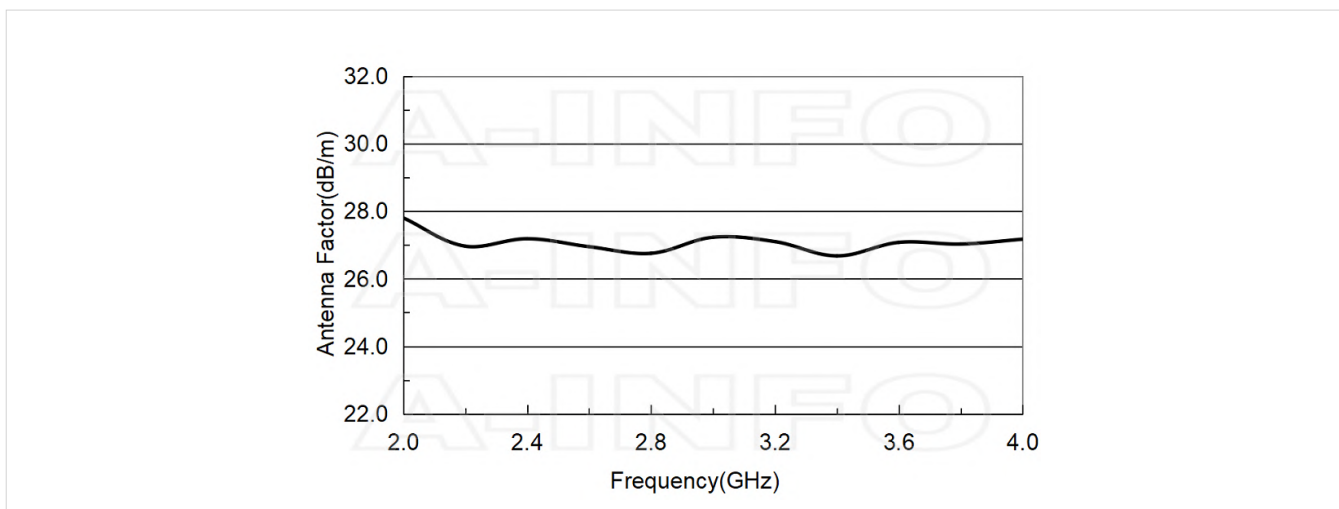
Application	Outdoor, Waterproof and Dustproof, Fixed	Solution for	Gain Reference Antenna Measurement Far-field Measurement System Intergration
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## Typical Test Results

### Gain



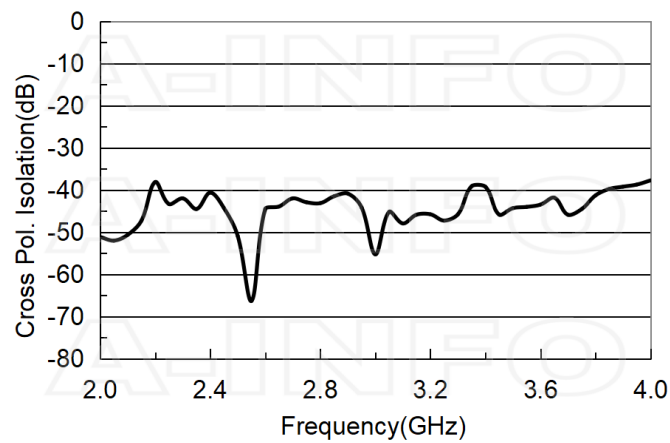
### Antenna Factor



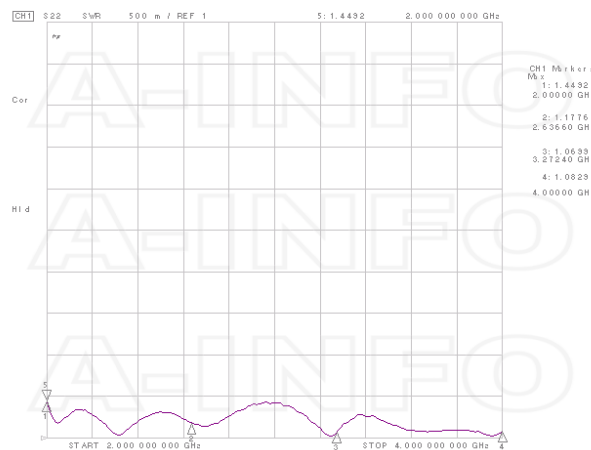
### Antenna Factor (Table)

Frequency(GHz)	Gain(dBi)	AF(dB/m)
2.0	8.4	27.8
2.2	10.1	27.0
2.4	10.6	27.2
2.6	11.6	27.0
2.8	12.4	26.8
3.0	12.5	27.2
3.2	13.2	27.1
3.4	14.2	26.7
3.6	14.3	27.1
3.8	14.8	27.0
4.0	15.1	27.2

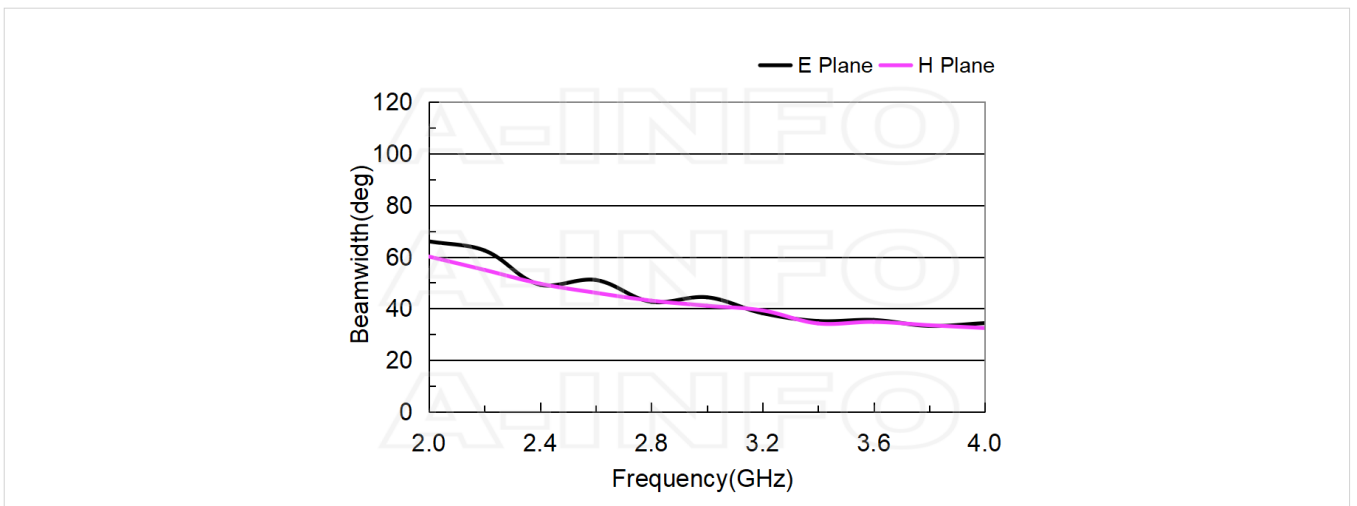
### Cross Polarization Isolation



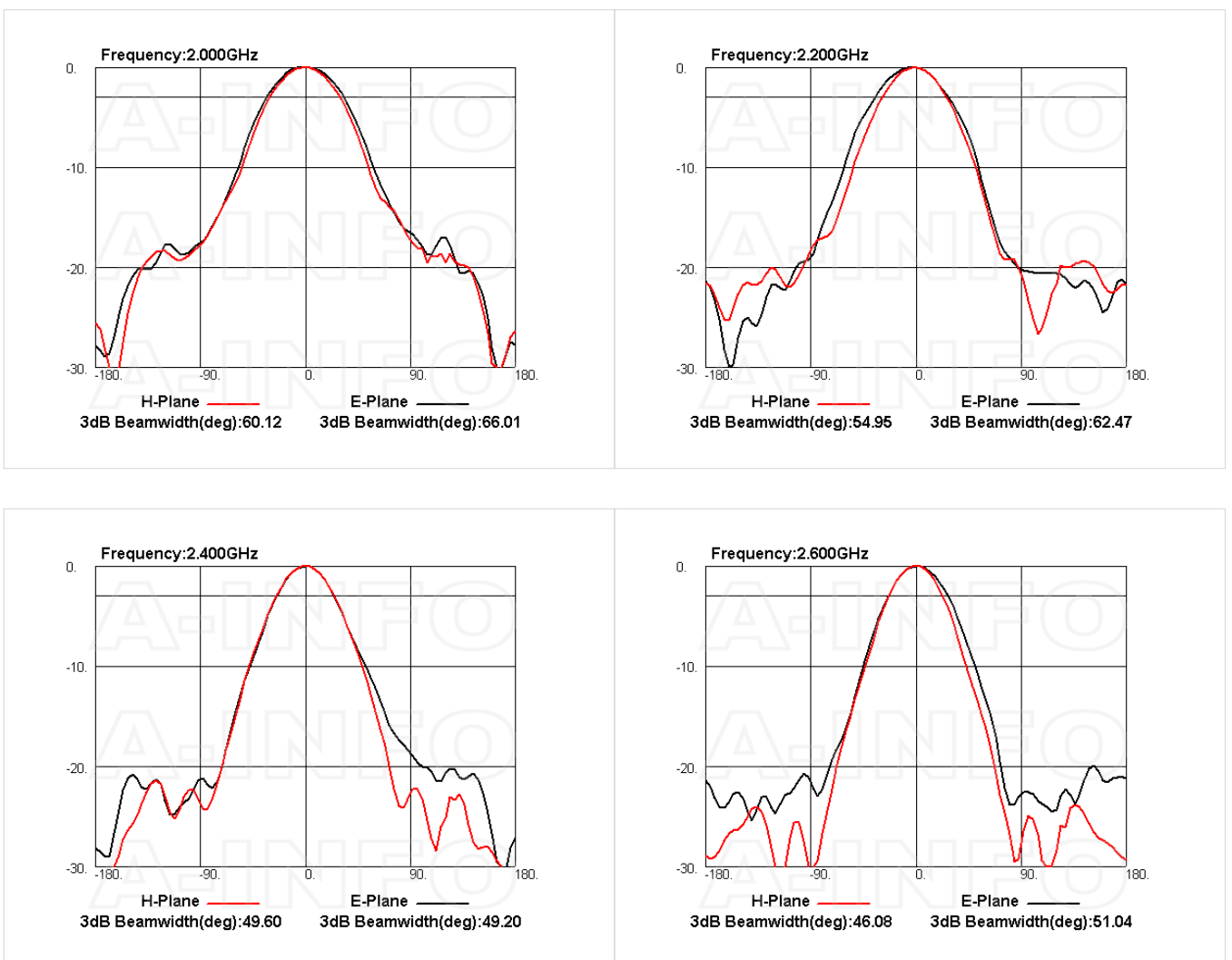
### VSWR

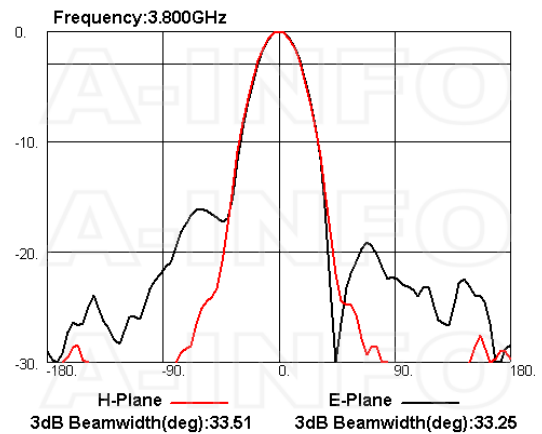
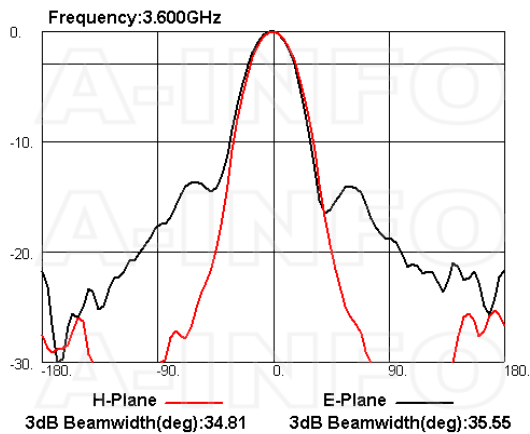
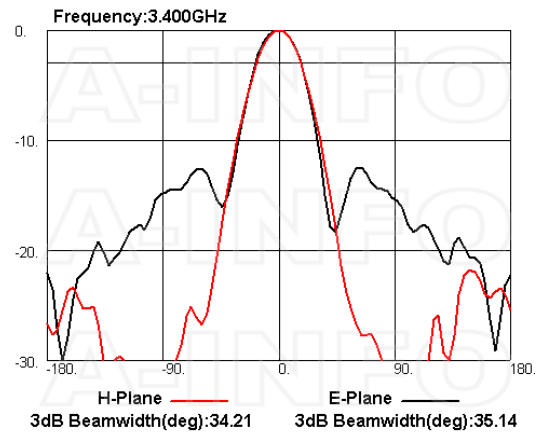
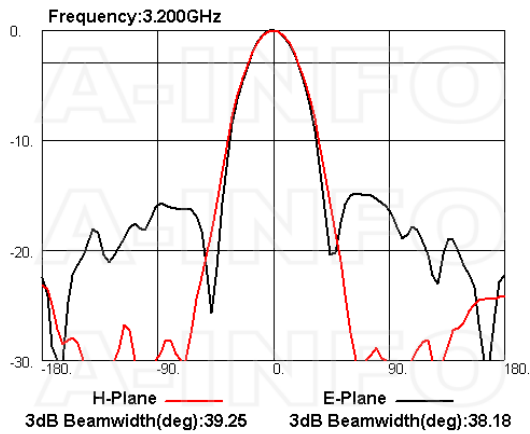
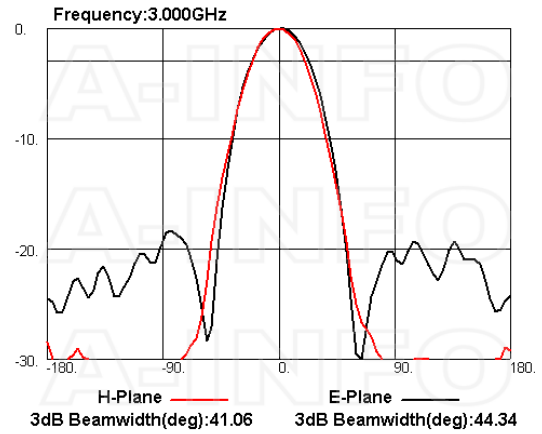
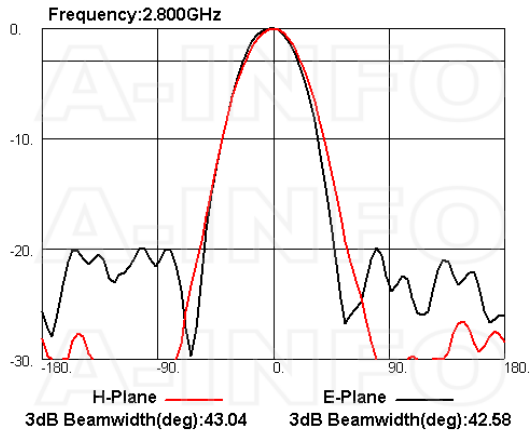


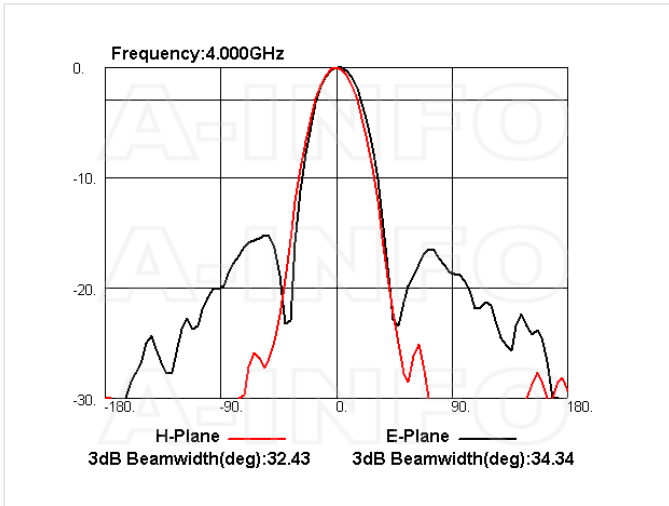
## Beamwidth



## Pattern







## Related Products



LB-340-10-C-MB Round Type Mounting Bracket



LB-340-10-C-L L type mounting bracket

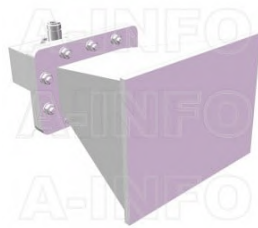


LB-340-10-C-MA Stinger Type Mounting Bracket

## Similar Products



LB-OH-320-10-C-NF Octave Horn Antenna 2-4GHz 10dB Gain N Type Female



LB-OH-320-10-C-NFSP0 Octave Horn Antenna 2-4GHz 10dB Gain N Type Female



LB-OH-320-10-C-SF Octave Horn Antenna 2-4 GHz 10dB Gain SMA Female

## About this Datasheet

<ul style="list-style-type: none"><li>● <b>Product Information</b></li></ul> <p>Product Link: <a href="https://www.ainfoinc.com/lb-oh-320-10-c-sfspo-octave-horn-antenna-2-4ghz-10db-gain-sma-female">https://www.ainfoinc.com/lb-oh-320-10-c-sfspo-octave-horn-antenna-2-4ghz-10db-gain-sma-female</a> Data subject to change without notice. © A-INFO INC. 2024. All Rights Reserved</p>	<ul style="list-style-type: none"><li>● <b>Contact Us</b></li></ul> <p>Address: 60 Tesla, Irvine, CA 92618, USA</p> <p>Website: <a href="http://www.ainfoinc.com">www.ainfoinc.com</a></p> <p>Email: <a href="mailto:sales@ainfoinc.com">sales@ainfoinc.com</a></p>	<ul style="list-style-type: none"><li>● <b>Phone &amp; Fax</b></li></ul> <p>Phone: +1-949-639-9688 +1-949-639-9608</p> <p>Fax: +1-949-639-9670</p>
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