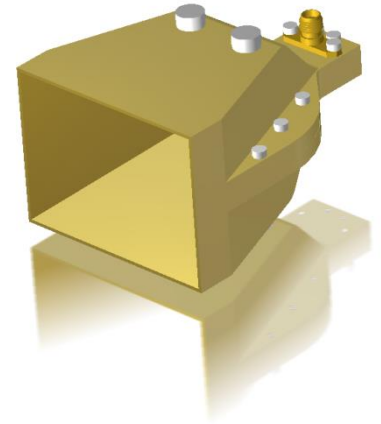
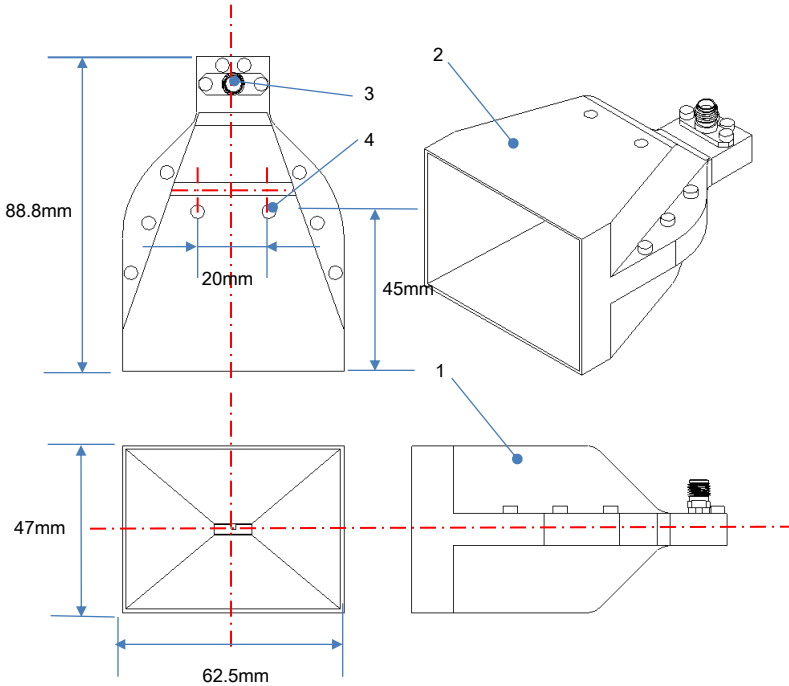


The LBHA series has a linear single polarization as a characteristic of a wide band and outputs high and even gains. Aluminum processing provides a lightweight and convenient fastening structure.

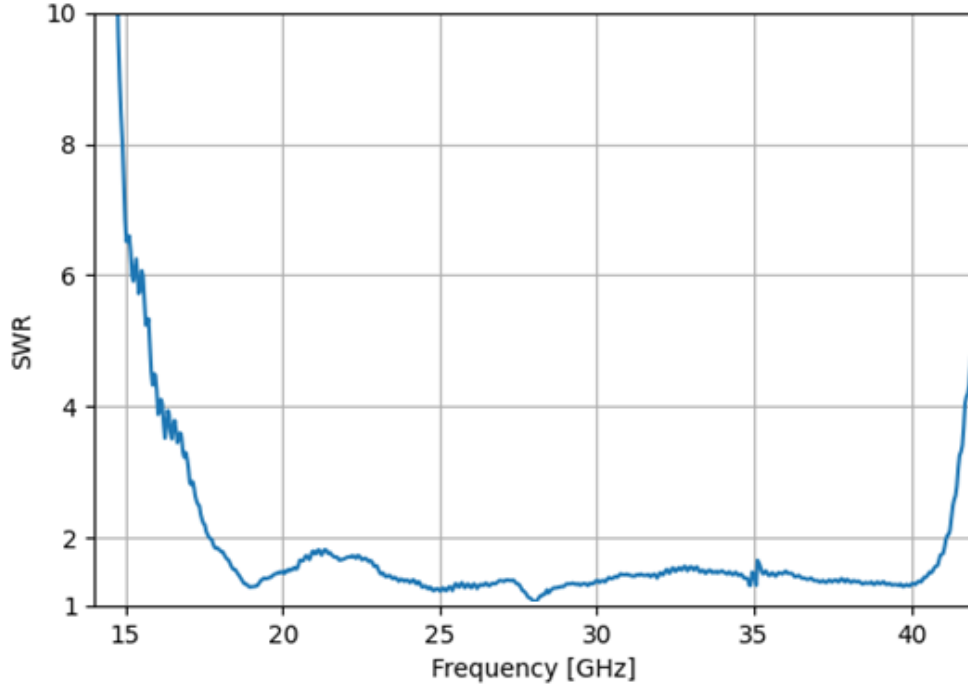


- 1. Aluminum Body
- 2. Chromate Coating
- 3. Female SMA Connector
- 4. 4 mounting tabs on the M4X10,
2 on the top and 2 on the bottom

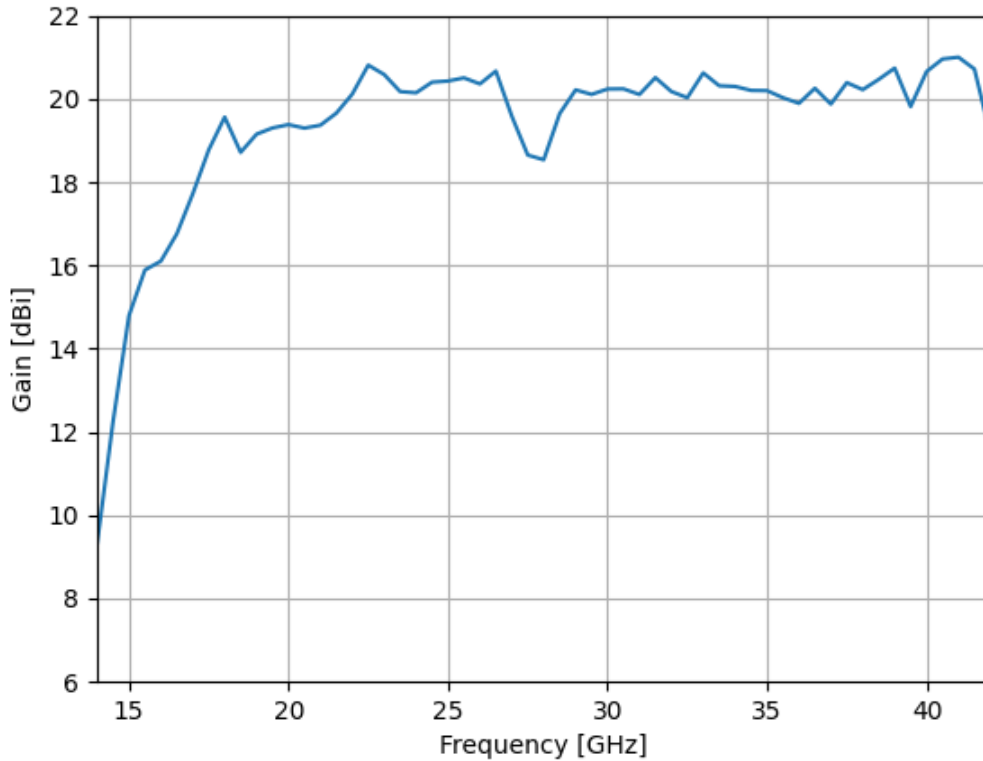
■ Electrical/Physical Characteristics

Category	Item	Specification	Unit	Conditions	
Electrical	Frequency	14 ~ 42	GHz typ.		
	Bandwidth	≒ 100	%	@Center Frequency	
	Half Power Beamwidth	E-plane	22 ~ 26	°	@Deg.
		H-Plane	29 ~ 34		
	Impedance	50	Ω		
	Input Power	50	W	@Max.	
	Polarization	Linear		@Vertical	
VSWR	≤ 2.0		@18GHz ~ 40GHz		
Physical	Dimension	88.8 X 62.5 X 47	mm	@ L X W X H	
	Mount Tap	M4 X 10	mm	@4 Point	
	Weight	220	g	@except 4 mount bolt	
	Port	SMA Female	type		

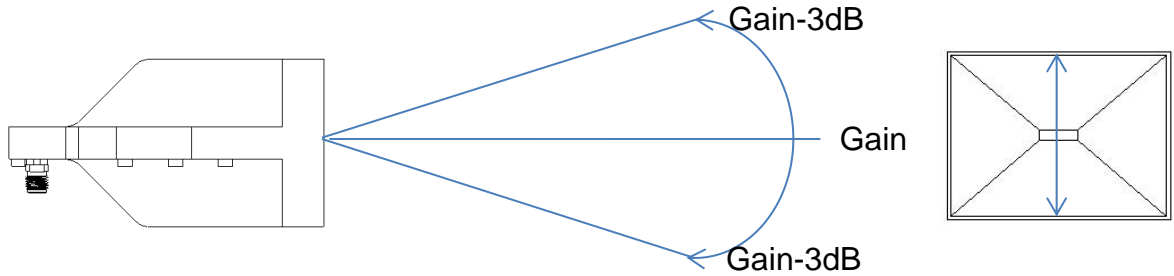
■ VSWR



■ Gain Chart

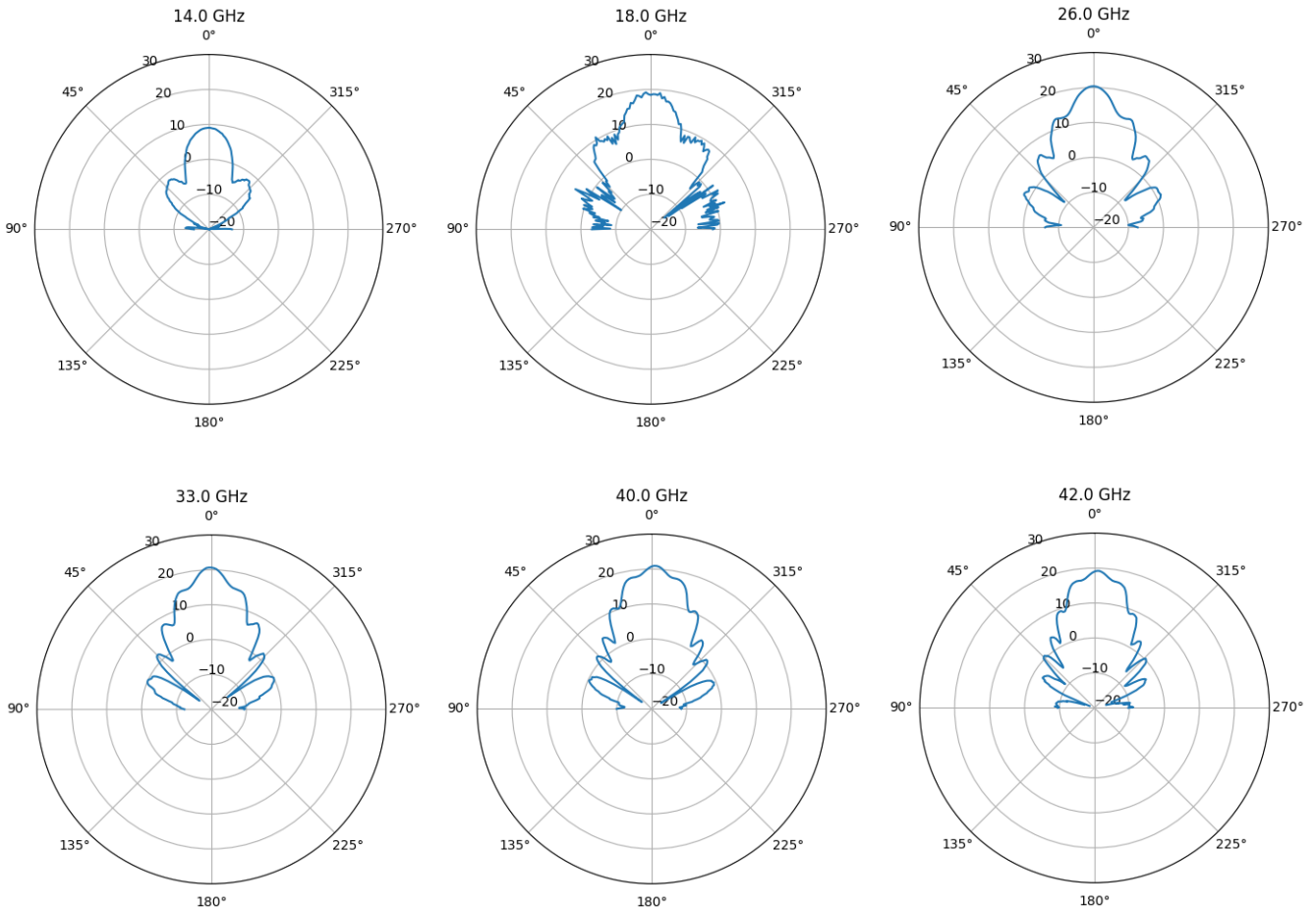


Gain & Beamwidth of E-Plane

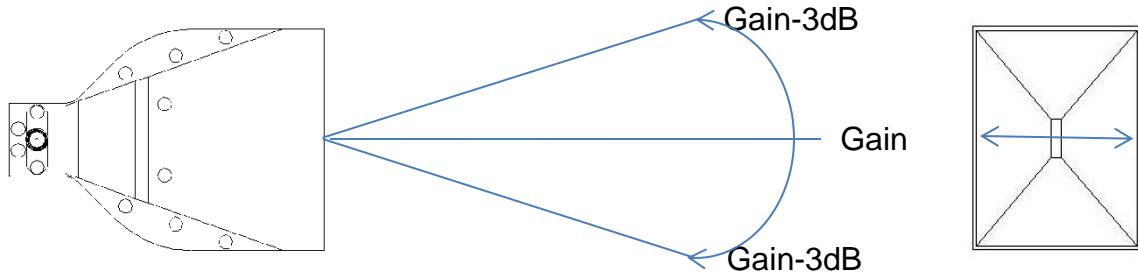


Freq.(GHz)	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
Gain(dBi)	9.06	16.05	18.60	19.37	20.11	20.27	20.37	18.25	20.21	20.32	20.38	20.10	20.51	20.34	19.16
H.P.B.W(deg.)	23.14	21.41	18.95	17.57	16.18	15.26	14.27	14.35	13.49	12.56	12.82	13.27	12.88	15.74	20.82

Radiation Pattern of E-Plane



Gain & Beamwidth of H-Plane



Freq.(GHz)	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
Gain(dBi)	9.30	16.10	18.55	19.38	20.11	20.14	20.36	18.54	20.23	20.18	20.30	19.89	20.22	20.28	19.14
H.P.B.W(deg.)	24.34	22.26	19.84	19.14	18.05	17.43	16.90	16.50	15.77	16.02	16.24	16.71	16.00	14.26	8.12

Radiation Pattern of H-Plane

