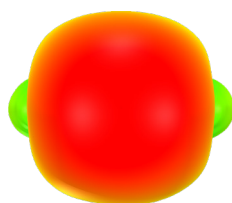
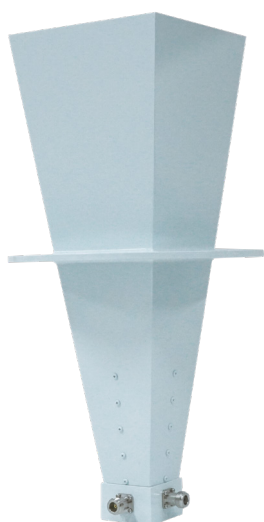


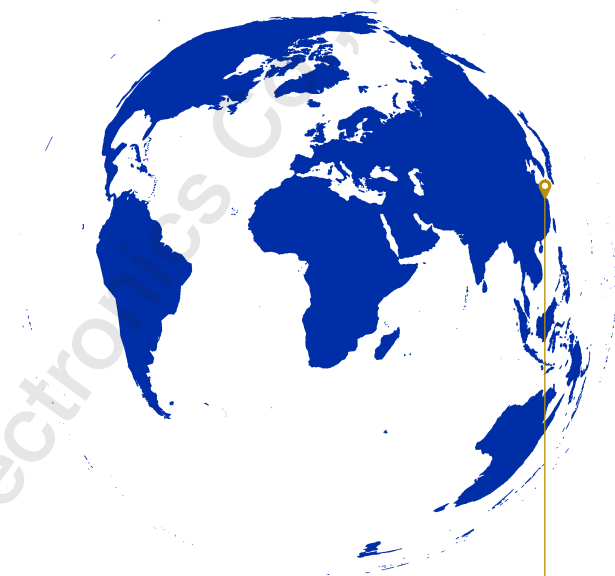
# Broadband Horn Antennas

2.0 - 6.0 GHz, 20 dBi

Radiation pattern



QR code



Hangzhou Multipath Electronics Co., Ltd., Zhejiang, China

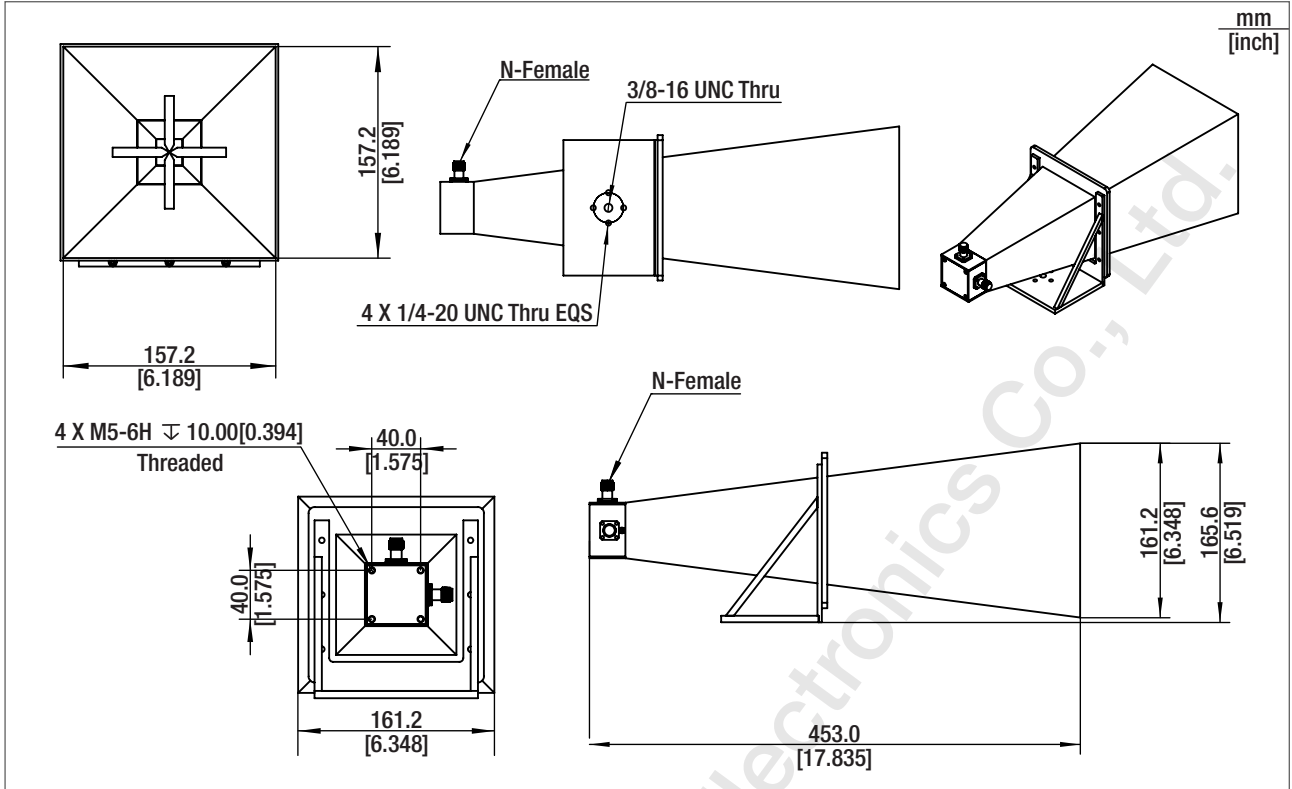
## ⚙️ Product specifications

Part number	BDHA-26-20	Polarization	Dual Linear
Antenna type	Quad-ridge horn	Gain [dBi]	20 Typ.
Frequency range [GHz]	2.0 - 6.0	Cross-polarization isolation [dB]	50 Typ.
Waveguide band	BDHA-26-20	VSWR	1.90 Typ.
Dimensions (H x W x L) [mm; inch]	161.2 x 161.2 x 453.0; 6.35 x 6.35 x 17.83	Impedance [Ohms]	50
Weight (approx.) [kg; lb]	1.90; 4.189	RF connector	N-Female
Material	Aluminum	Port Isolation [dB]	50 Typ.

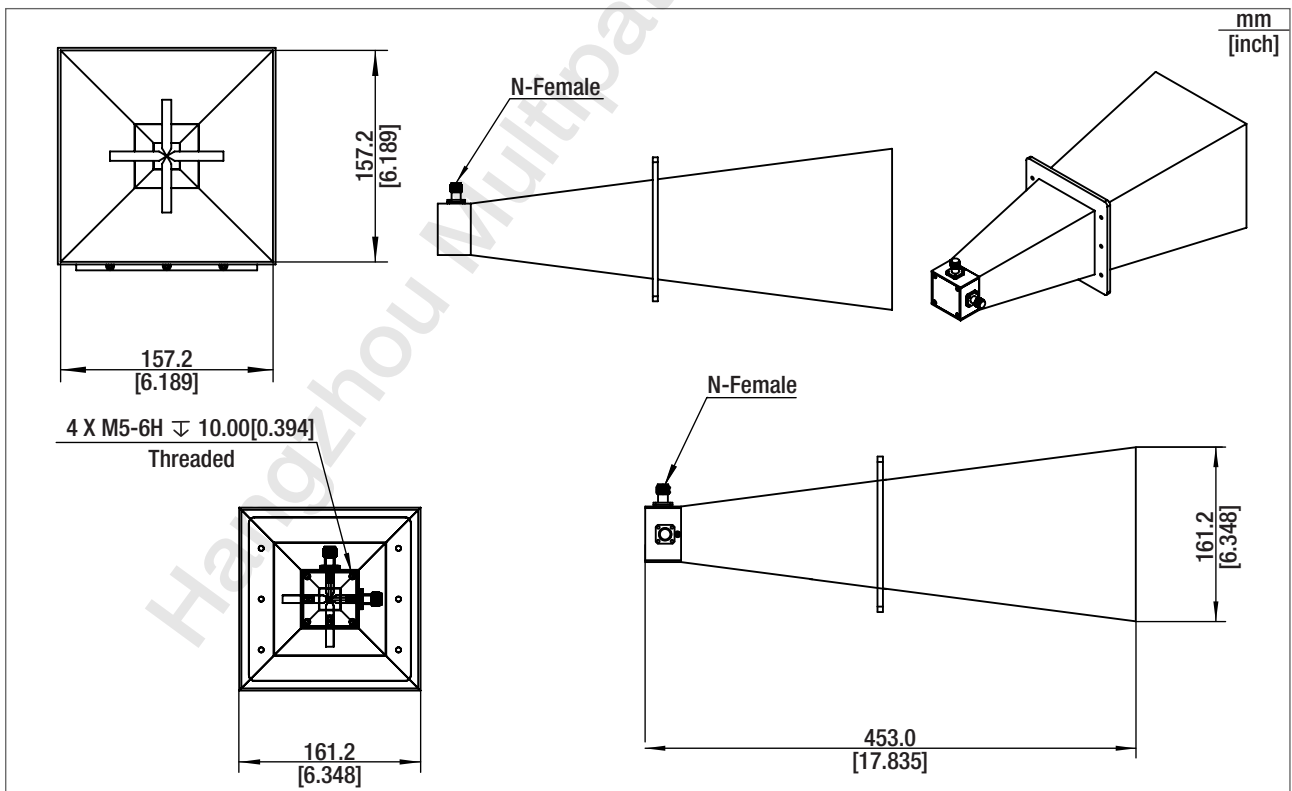
 Outline dimensions

Multipath Electronics provides complete broadband horn antenna, forming mounting systems, integrated with waveguide to coaxial adapters, L type mounting brackets.

• Assembly dimensional drawing

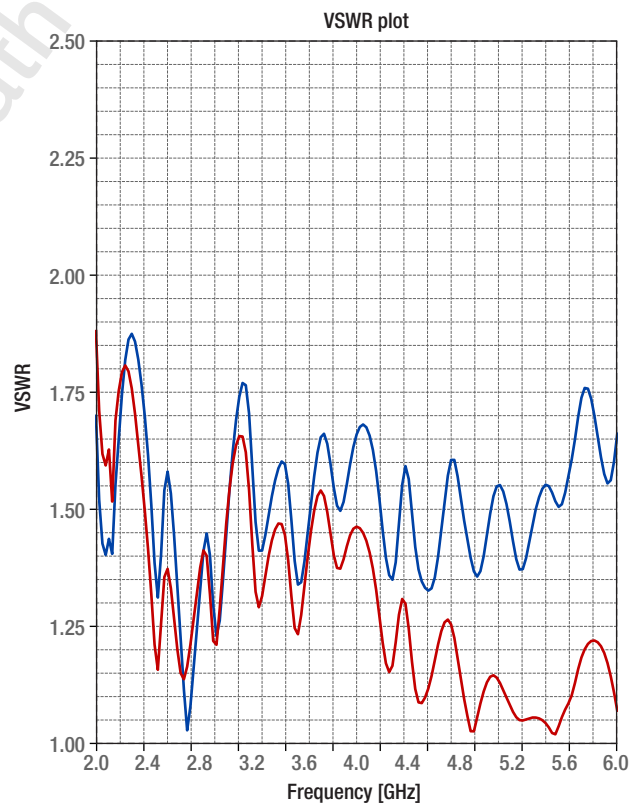
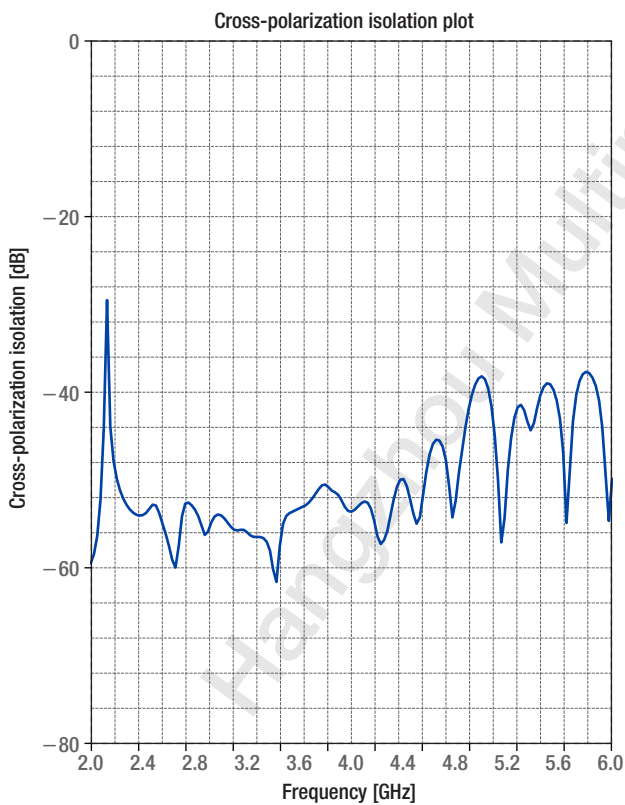
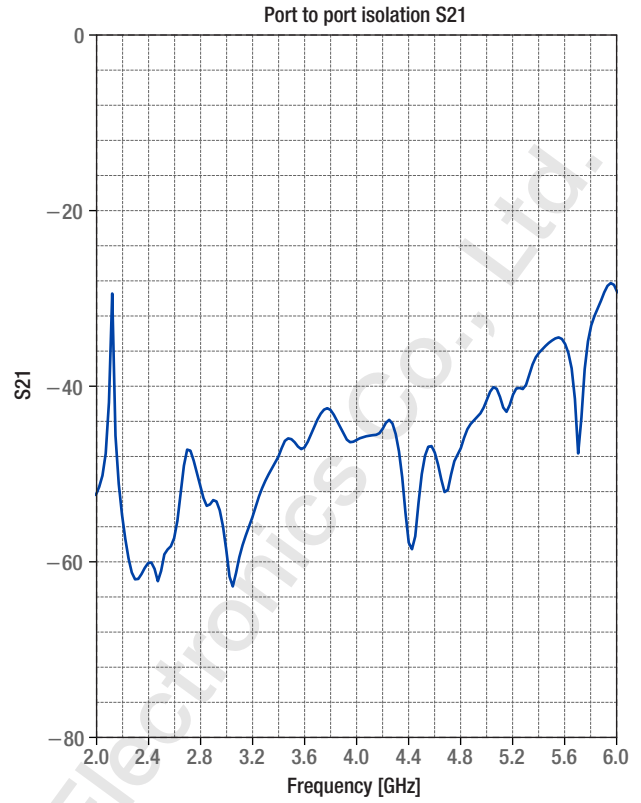
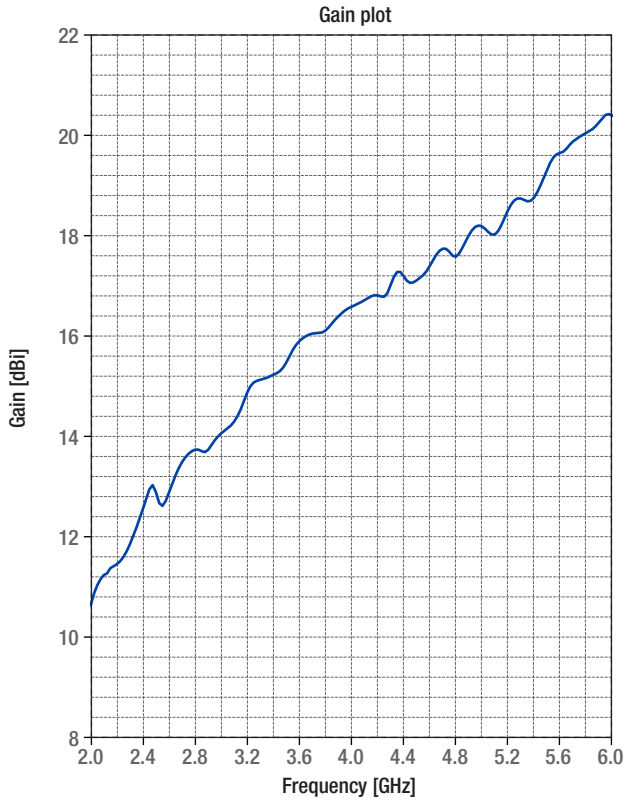


• Dimensional drawing



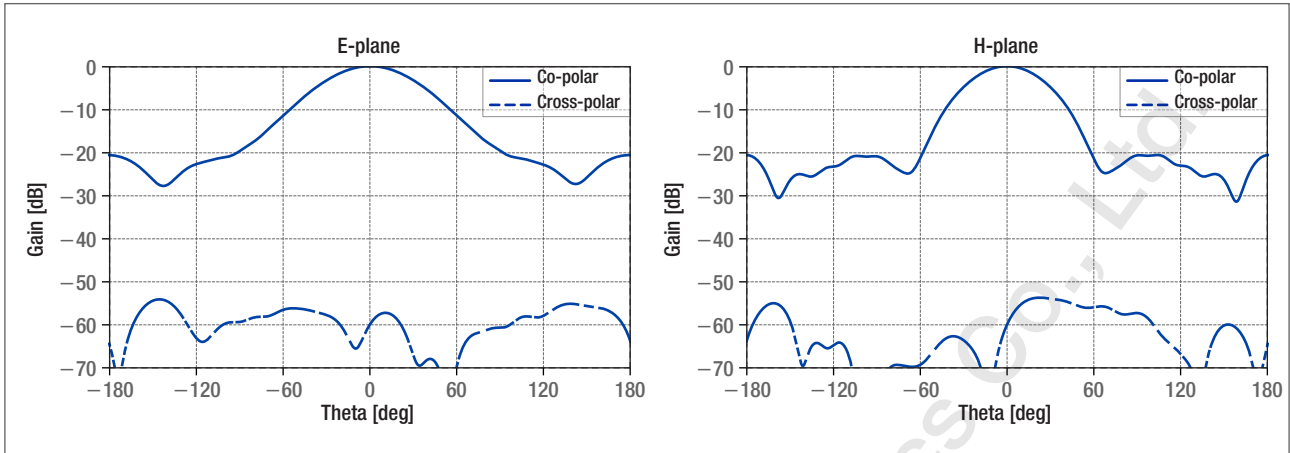
## Electrical characteristics

### Gain & VSWR & Cross-polarization isolation & S21

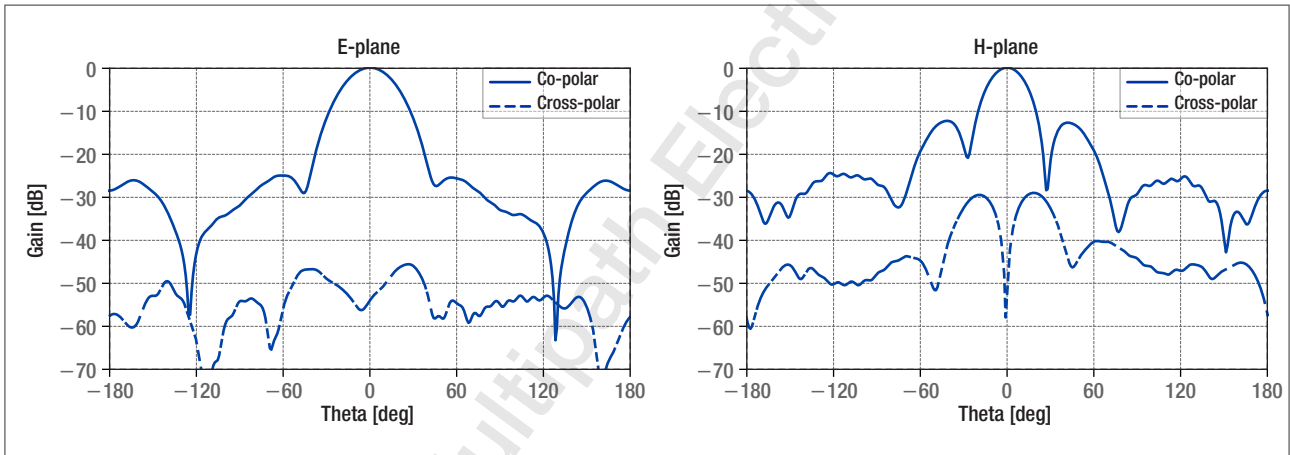


## • Radiation patterns

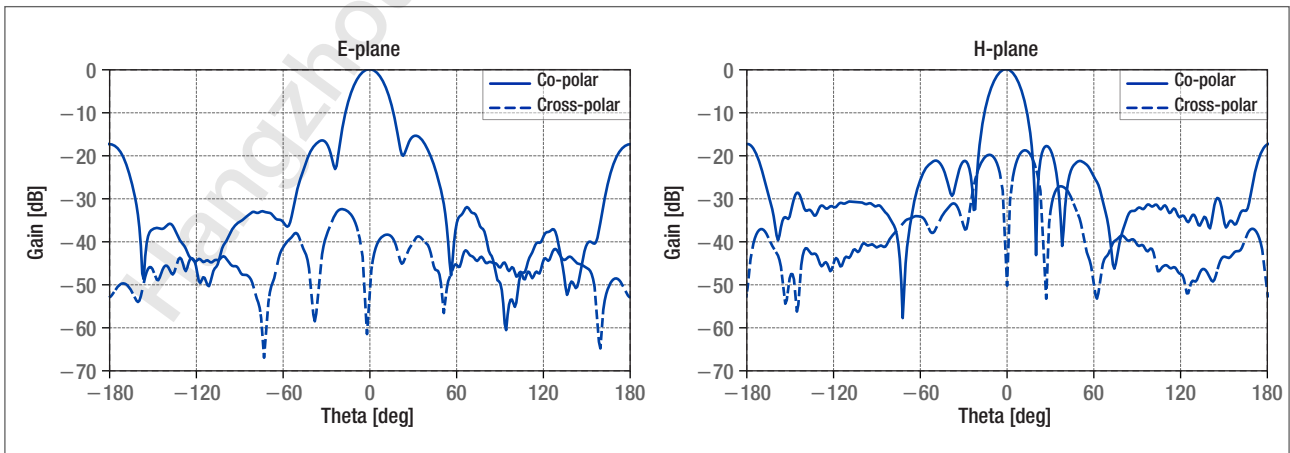
Patterns @ 2.0 GHz



Patterns @ 4.0 GHz



Patterns @ 6.0 GHz



• Data table

Frequency [GHz]	Gain [dBi]	Antenna factor [dB/m]	Cross-polarization isolation [dB]	VSWR		S21
2.0	10.59	17.68	-59.73	1.69	1.87	-52.59
2.2	11.40	18.79	-50.08	1.74	1.78	-54.85
2.4	12.51	18.32	-54.21	1.61	1.41	-60.40
2.6	12.83	18.87	-57.73	1.43	1.26	-57.54
2.8	13.69	20.30	-53.61	1.32	1.37	-51.54
3.0	14.02	20.54	-54.25	1.44	1.46	-58.88
3.2	14.83	21.06	-56.19	1.58	1.41	-55.17
3.4	15.19	22.06	-60.46	1.58	1.46	-48.23
3.6	15.86	23.19	-53.51	1.38	1.33	-47.18
3.8	16.07	23.59	-50.73	1.59	1.44	-42.90
4.0	16.55	24.33	-53.83	1.65	1.45	-46.32
4.2	16.78	25.58	-56.65	1.45	1.21	-45.05
4.4	17.17	20.30	-50.10	1.56	1.24	-58.05
4.6	17.36	20.54	-47.28	1.34	1.17	-47.78
4.8	17.55	21.06	-52.55	1.51	1.13	-47.25
5.0	18.16	22.06	-38.37	1.44	1.12	-41.71
5.2	18.47	23.19	-49.08	1.42	1.06	-41.16
5.4	18.73	23.59	-43.72	1.52	1.04	-36.36
5.6	19.63	24.33	-43.20	1.53	1.06	-35.37
5.8	20.02	25.58	-37.85	1.73	1.21	-33.25
6.0	20.37	25.58	-50.08	1.65	1.06	-29.44

Frequency [GHz]	E-plane, 3dB	H-plane, 3dB beamwidth
2.0	57.20°	47.04°
4.0	31.24°	23.35°
6.0	19.19°	17.08°



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Technical specifications in this datasheet are subject to change without notice. Actual products may differ from the shown images.