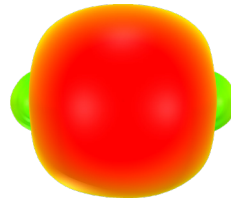


Broadband Horn Antennas

6.0 - 18.0 GHz, 25 dBi

Radiation pattern



QR code



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

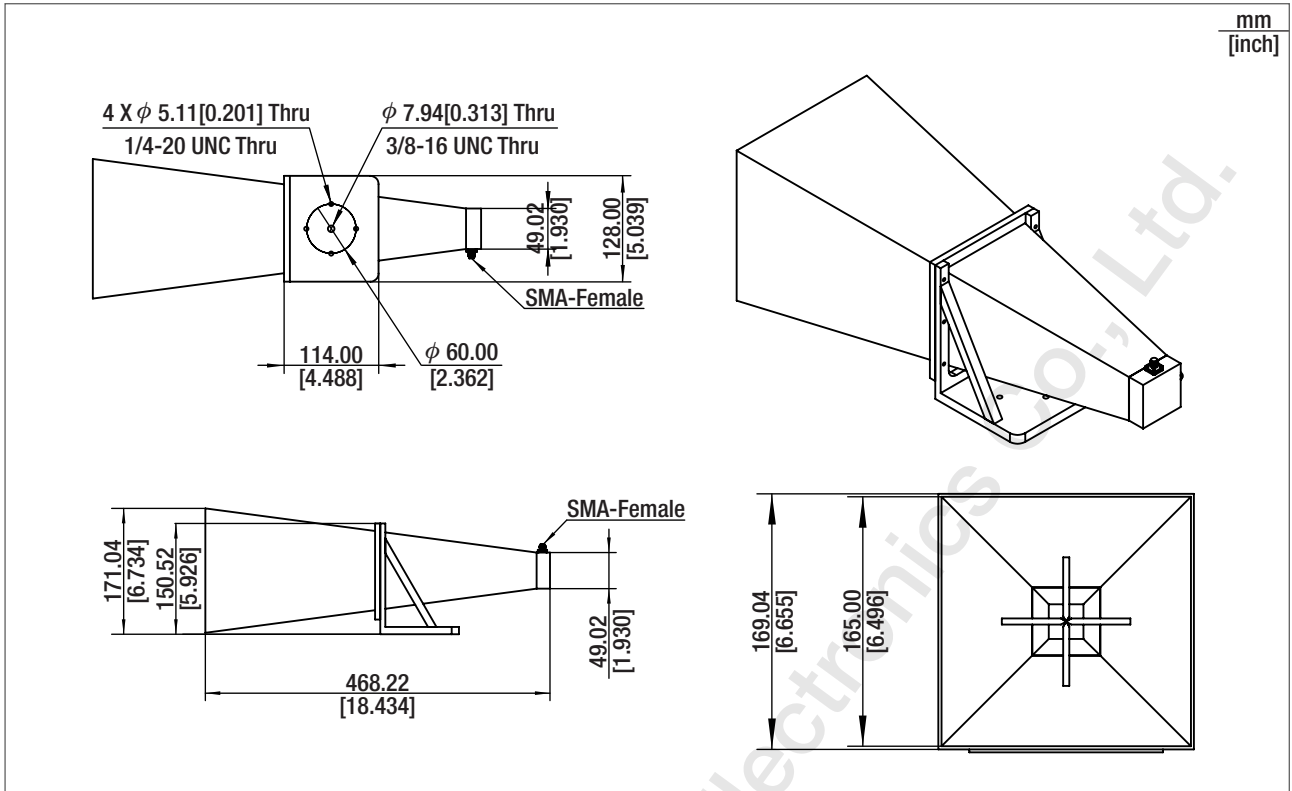
⚙️ Product specifications

Part number	BDHA-618-25	Polarization	Dual Linear
Antenna type	Quad-ridge horn	Gain [dBi]	25 Typ.
Frequency range [GHz]	6.0 - 18.0	Cross-polarization isolation [dB]	45 Typ.
Waveguide band	BDHA-618-25	VSWR	2.00 Typ.
Dimensions (H x W x L) [mm; inch]	169.04 x 169.04 x 468.22; 6.66 x 6.66 x 18.43	Impedance [Ohms]	50
Weight (approx.) [kg; lb]	1.82; 4.012	RF connector	SMA-Female
Material	Aluminum	Port Isolation [dB]	40 Typ.

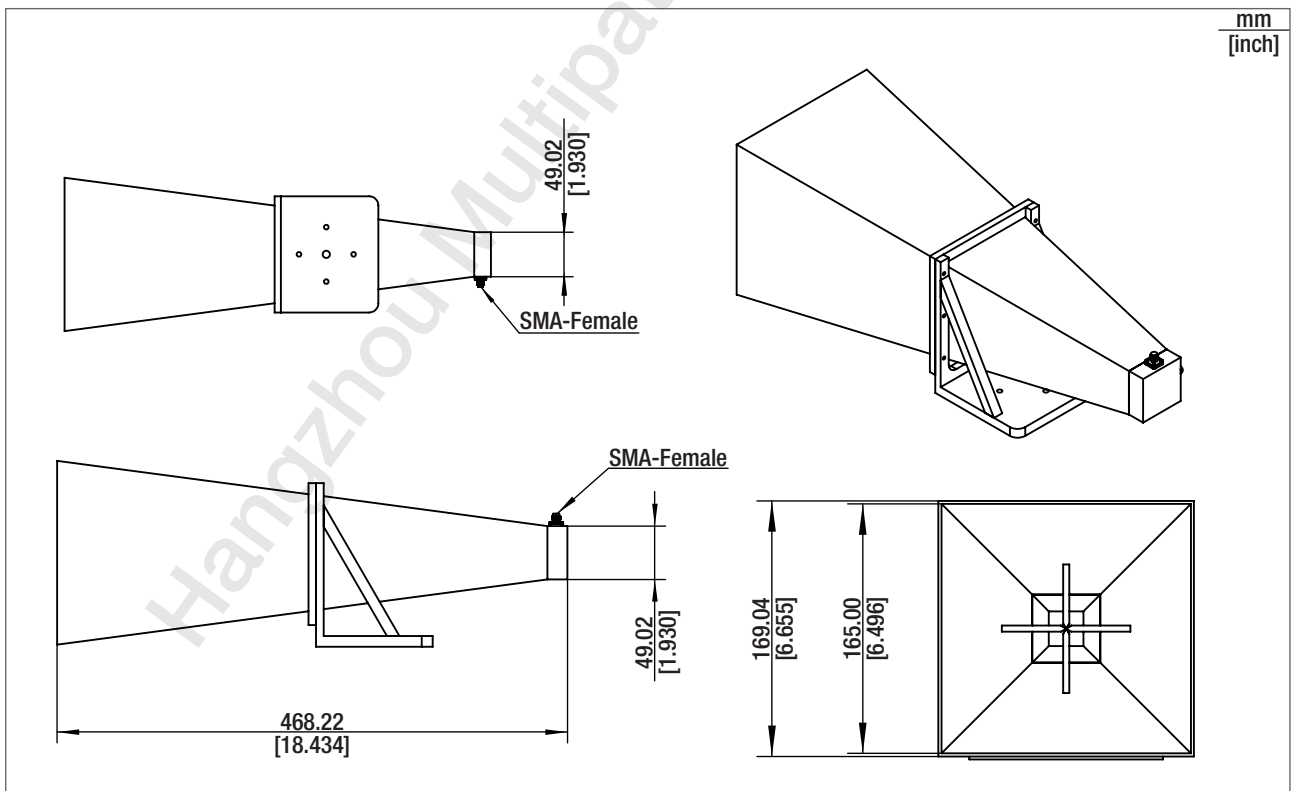
 Outline dimensions

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

• Assembly dimensional drawing

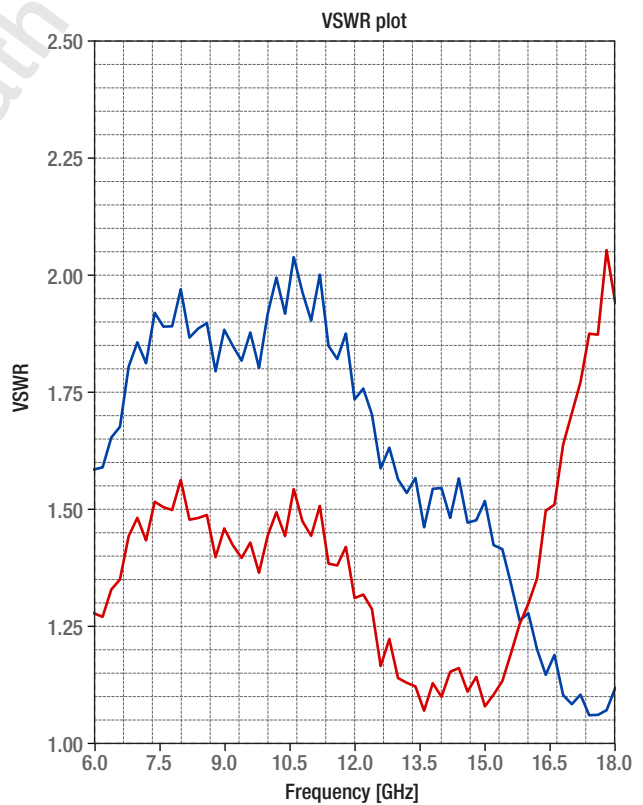
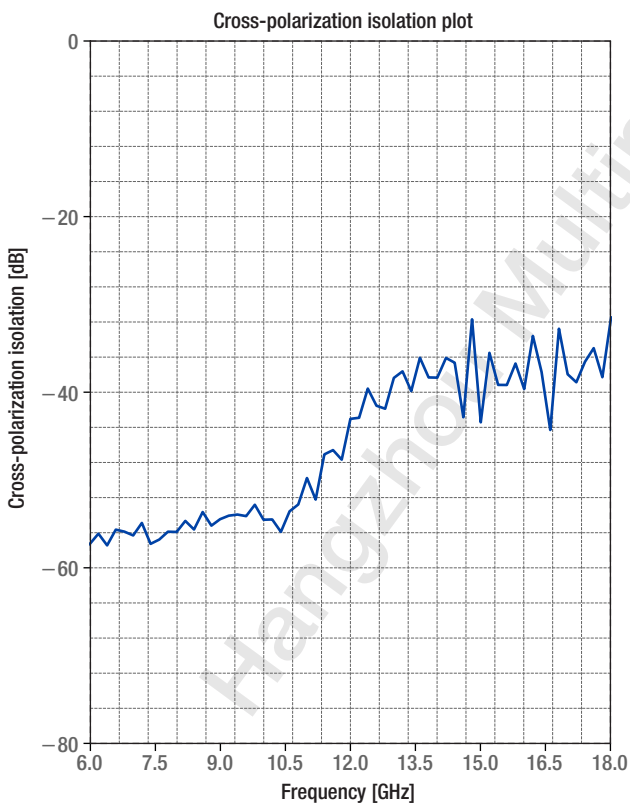
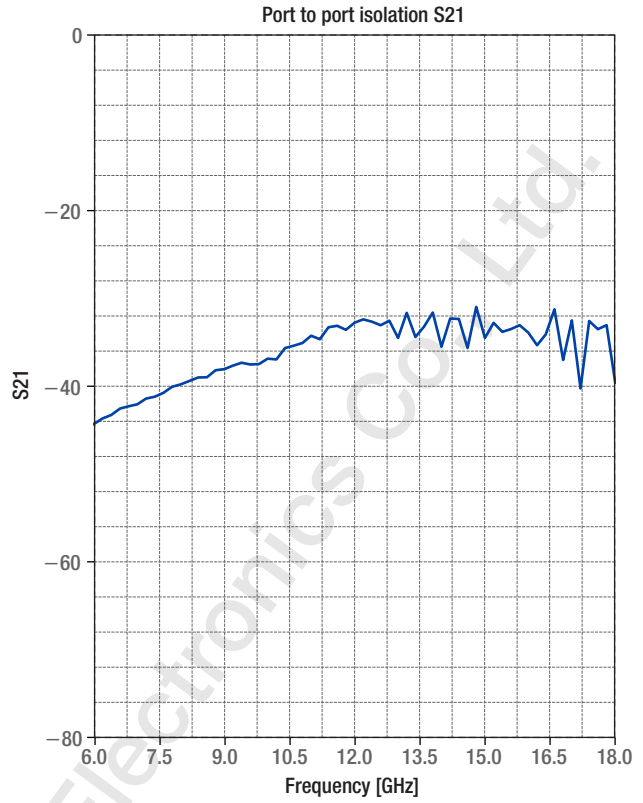
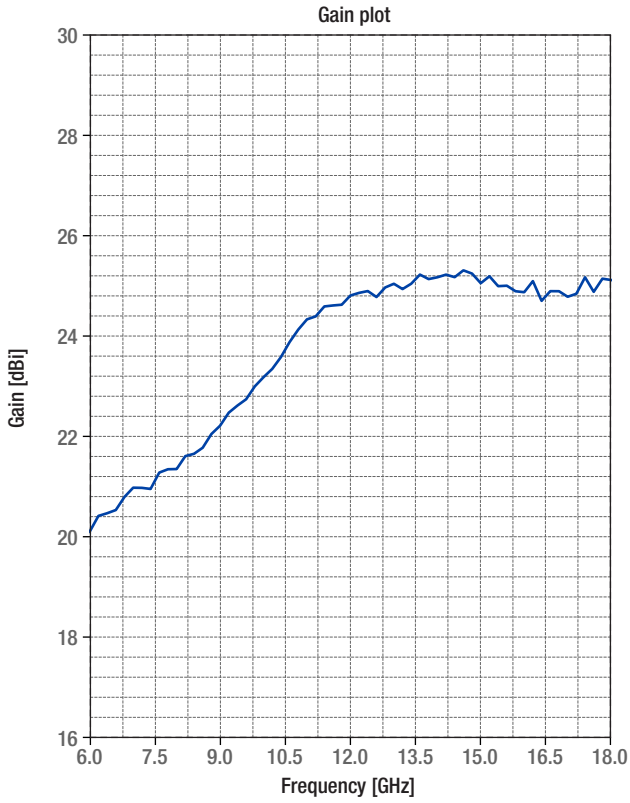


• Dimensional drawing



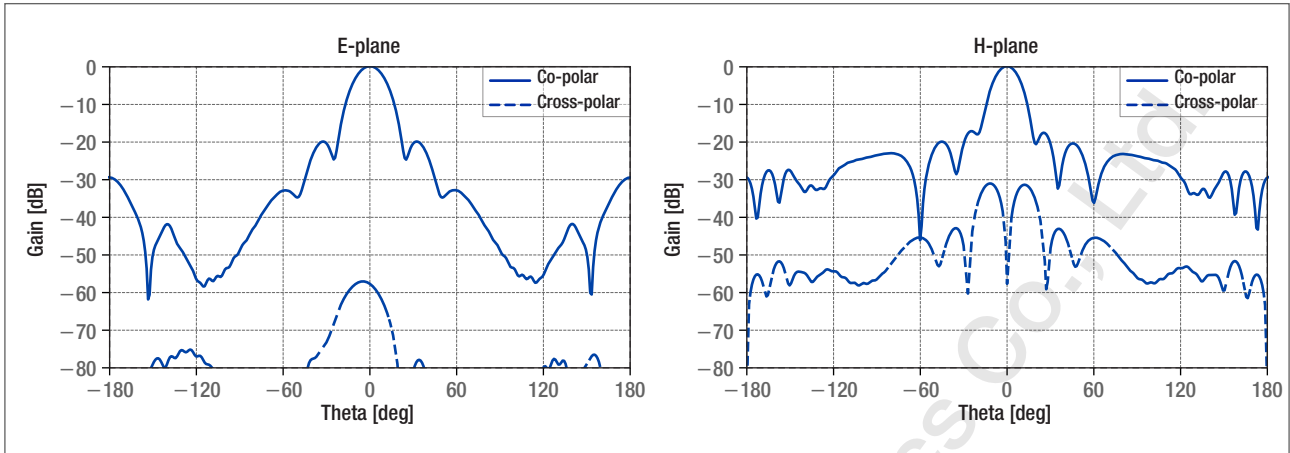
Electrical characteristics

Gain & VSWR & Cross-polarization isolation & S21

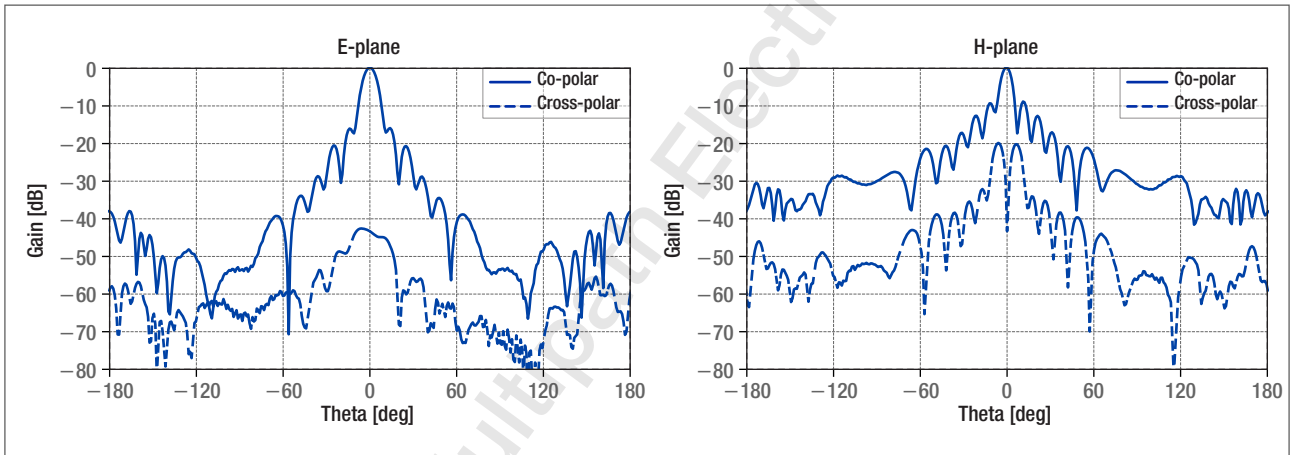


• Radiation patterns

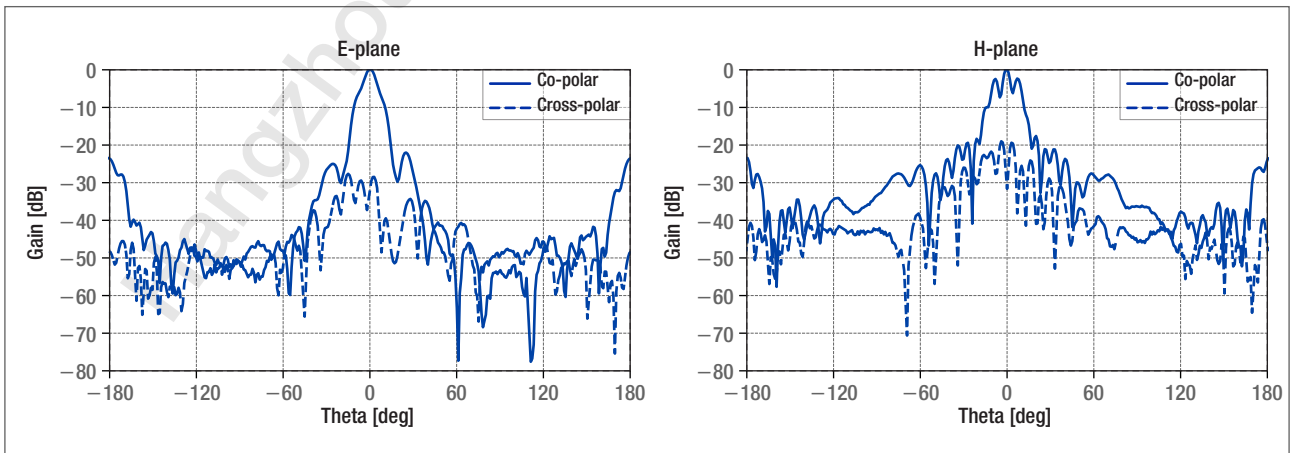
Patterns @ 6.0 GHz



Patterns @ 12.0 GHz



Patterns @ 18.0 GHz



• Data table

Frequency [GHz]	Gain [dBi]	Antenna factor [dB/m]	Cross-polarization isolation [dB]	VSWR		S21
6.0	20.06	25.70	-57.52	1.58	1.27	-44.49
7.0	20.93	26.16	-56.54	1.85	1.47	-42.25
8.0	21.31	26.95	-56.14	1.96	1.55	-39.97
9.0	22.17	27.10	-54.69	1.88	1.45	-38.24
10.0	23.14	27.05	-54.75	1.91	1.43	-37.04
11.0	24.30	26.72	-49.99	1.89	1.43	-34.42
12.0	24.77	27.00	-43.23	1.73	1.30	-32.93
13.0	25.01	27.46	-38.55	1.55	1.13	-34.67
14.0	25.14	27.97	-38.52	1.54	1.09	-35.68
15.0	25.02	28.69	-43.62	1.51	1.07	-34.67
16.0	24.84	29.43	-39.82	1.27	1.29	-34.07
17.0	24.75	30.05	-38.13	1.07	1.70	-32.67
18.0	25.08	30.21	-31.64	1.11	1.93	-39.79

Frequency [GHz]	E-plane, 3dB	H-plane, 3dB beamwidth
6.0	19.37°	16.31°
12.0	9.20°	7.22°
18.0	8.38°	4.80°



Multipath Electronics

Contact

+86-571-56201039

sales@multipath.cn

<https://www.multipath-electron.com>

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