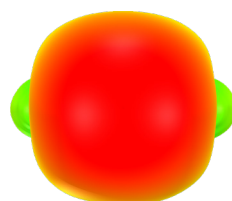




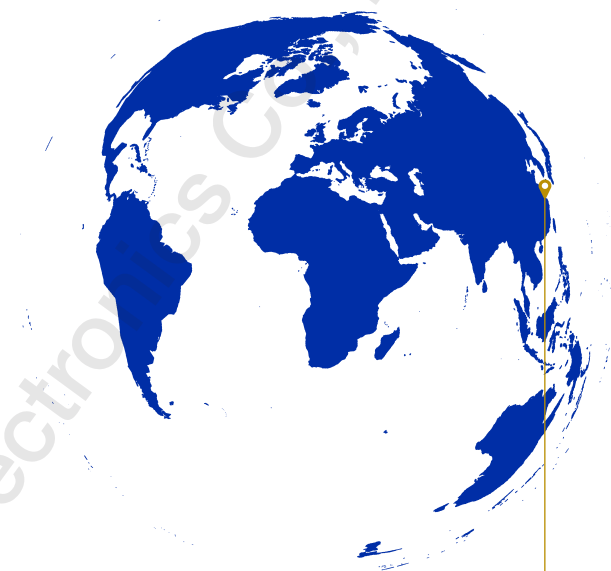
Broadband Horn Antennas

6 - 67 GHz, 13 dBi

Radiation pattern



QR code



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

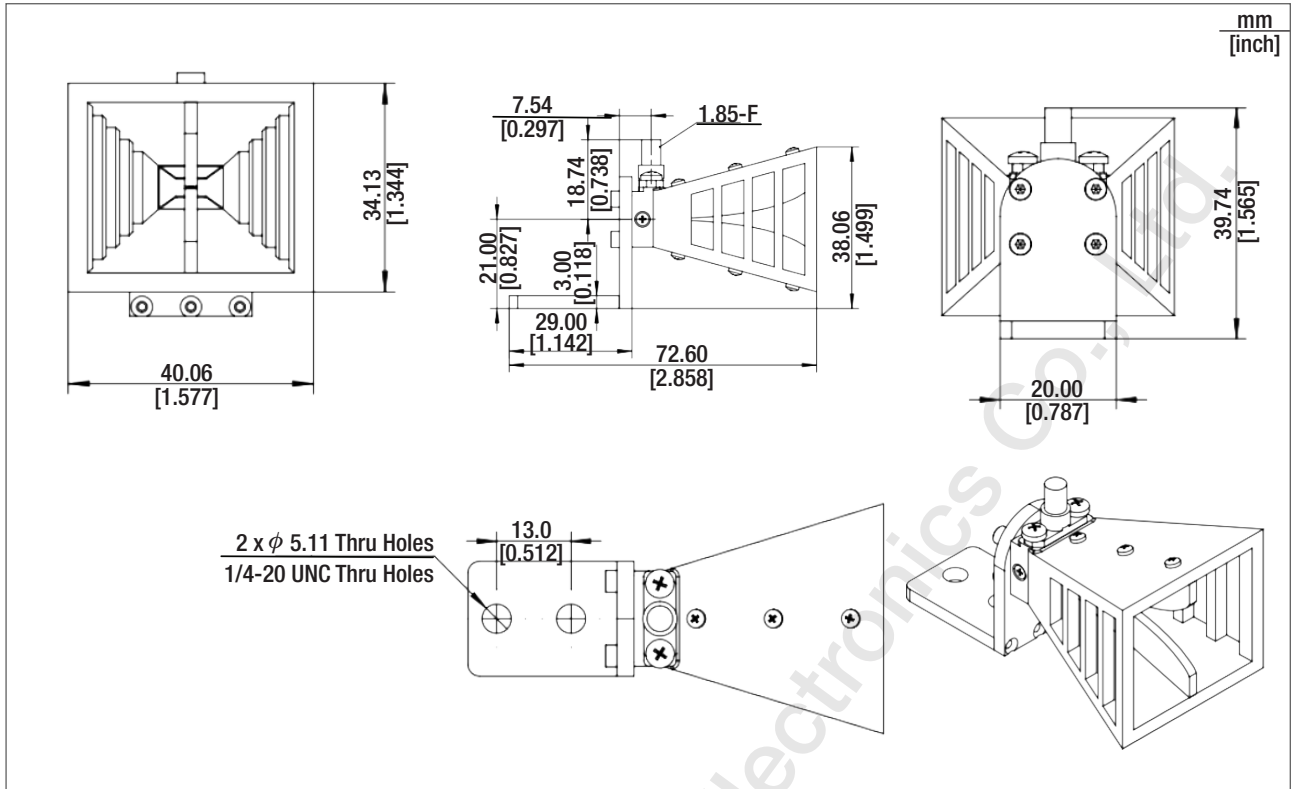
⚙️ Product specifications

Part number	BSHA-667-13	Polarization	Single Linear
Antenna type	Double-ridge horn	Gain [dBi]	13 Typ.
Frequency range [GHz]	6 - 67	Cross-polarization isolation [dB]	40 Typ.
Dimensions (H x W x L) [mm; inch]	40.1 x 35.8 x 43.6; 1.58 x 1.41 x 1.72	VSWR	1.50 Typ.
Weight (approx.) [kg; lb]	0.05; 0.110	Impedance [Ohms]	50
Material	Aluminum	RF connector	1.85mm-Female

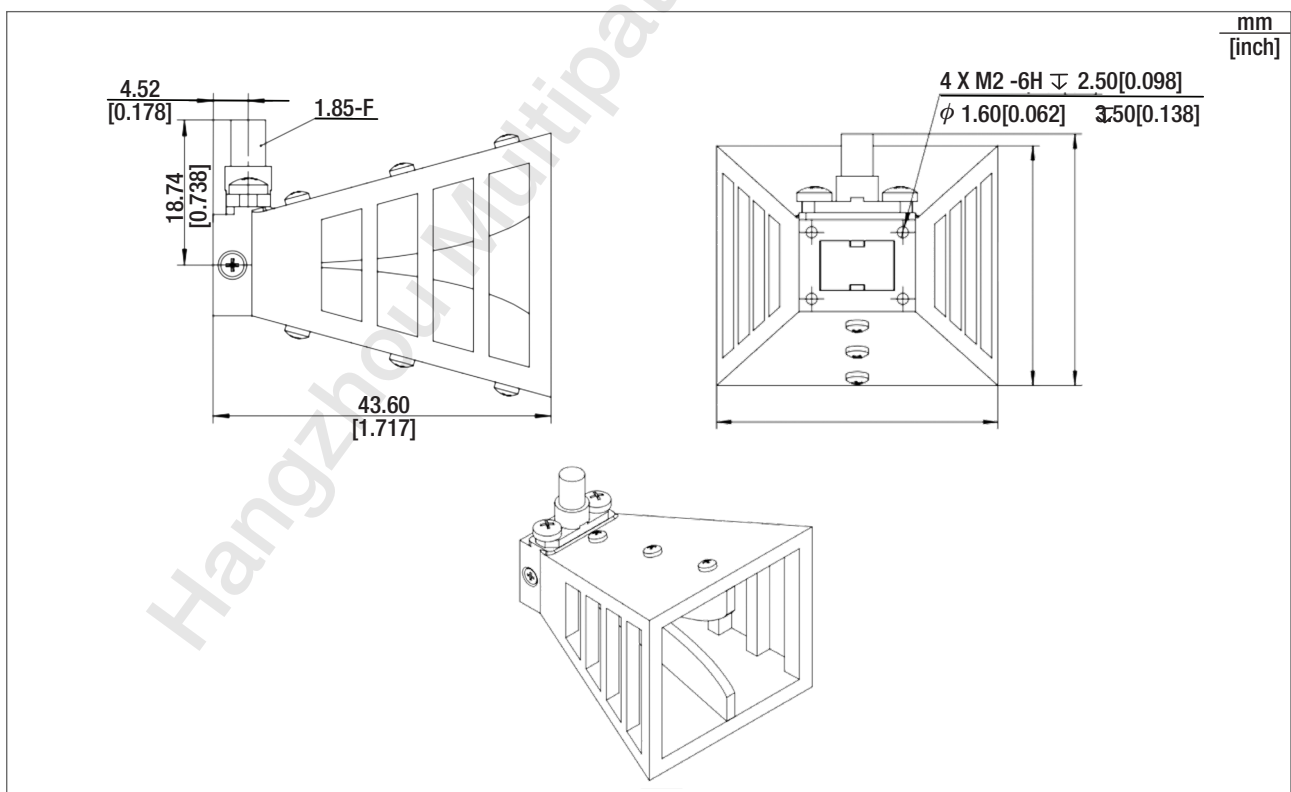
Outline dimensions

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

• Assembly dimensional drawing

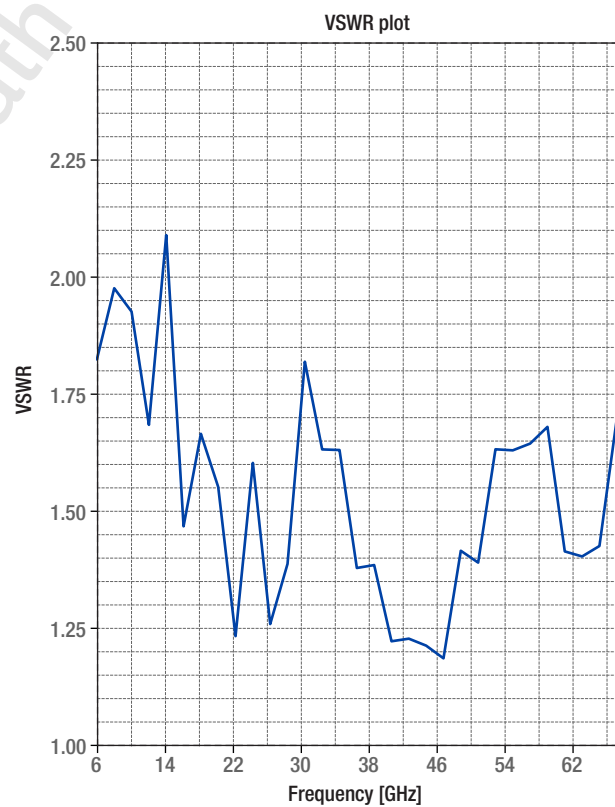
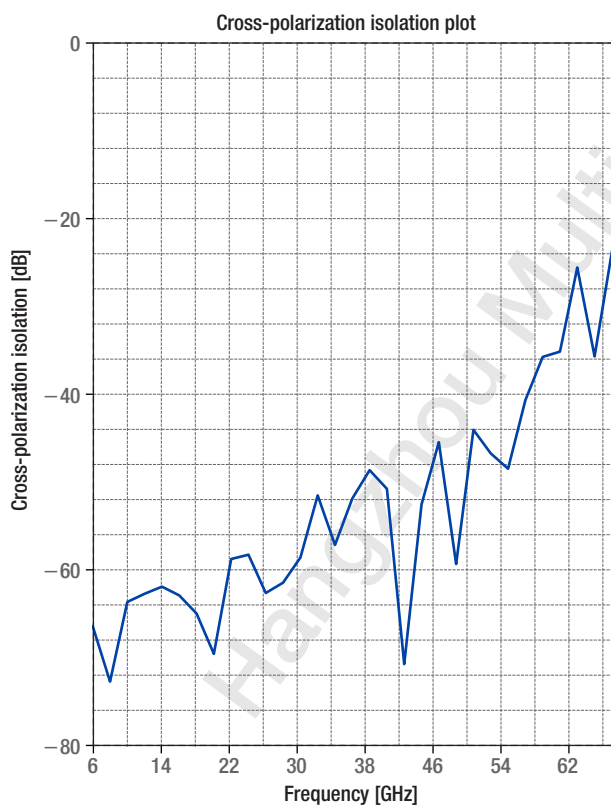
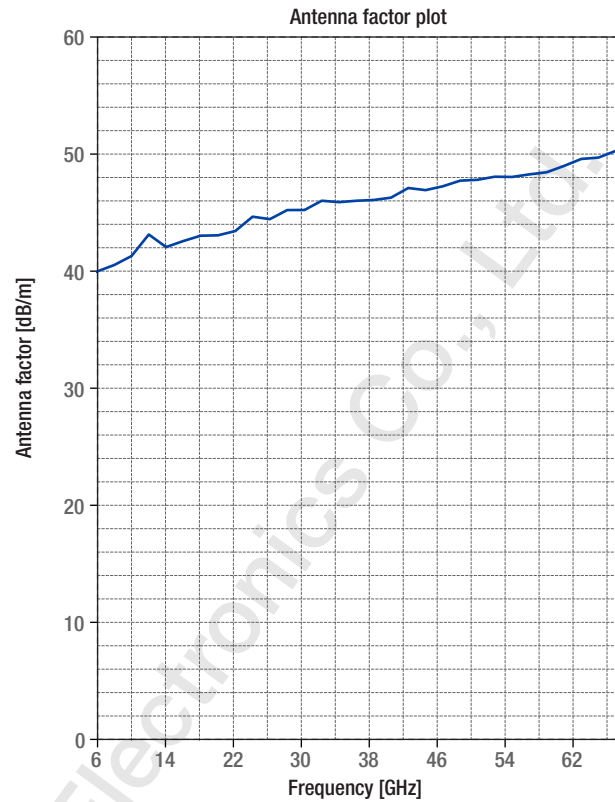
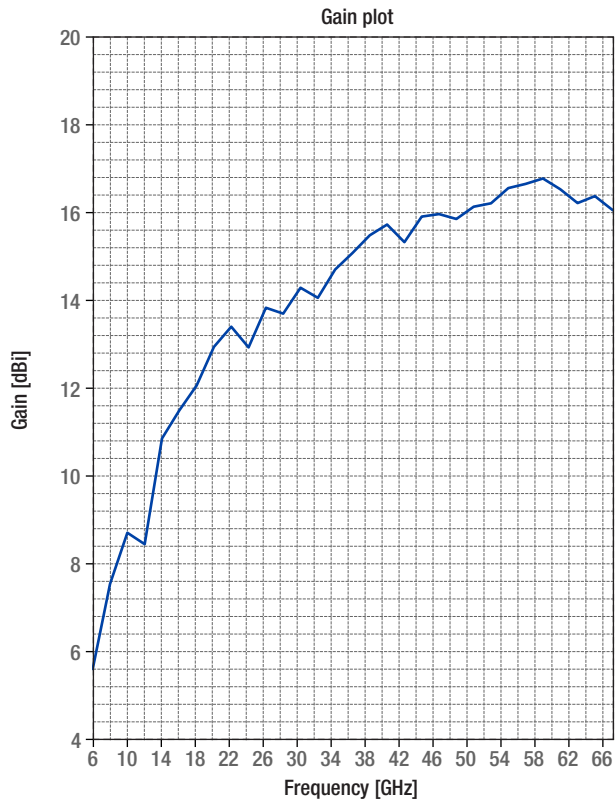


• Dimensional drawing



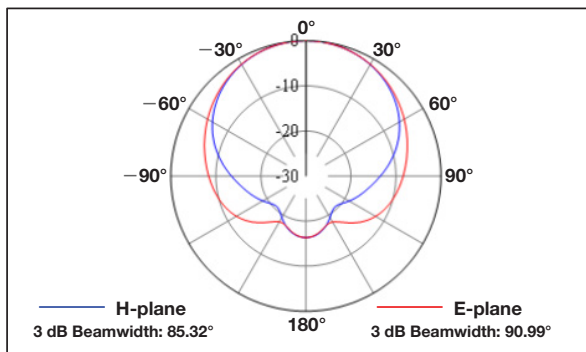
Electrical characteristics

• Gain & VSWR & Cross-polarization isolation & Antenna factor

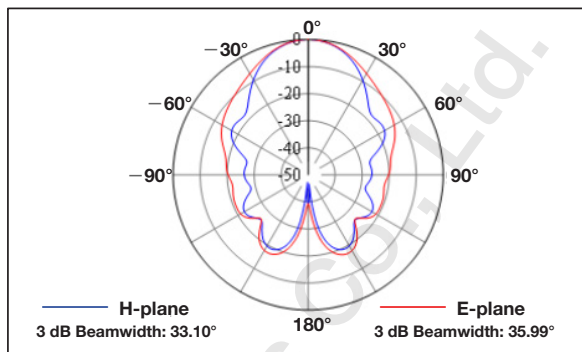


- Radiation patterns

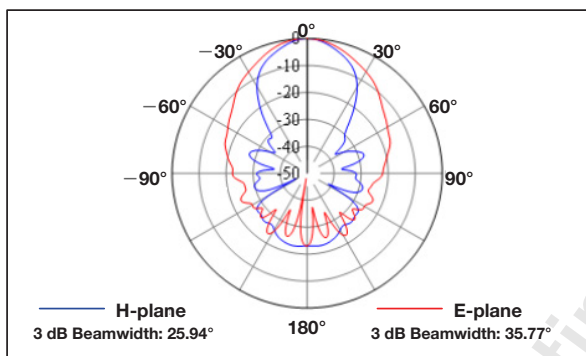
Frequency: 6.0 GHz



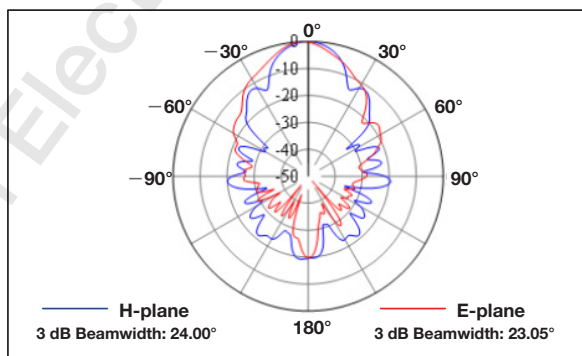
Frequency: 9.0 GHz



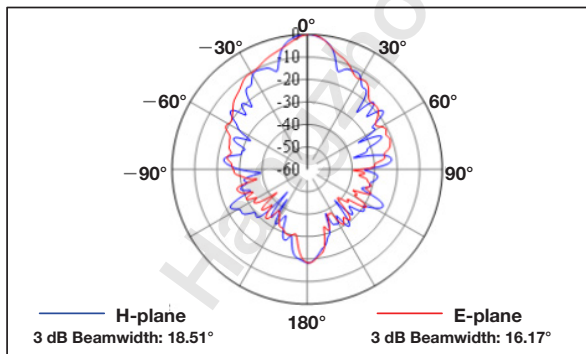
Frequency: 36.0 GHz



Frequency: 51.0 GHz



Frequency: 67.0 GHz



• Data table

Frequency [GHz]	Gain [dBi]	Antenna factor [dB/m]	Cross-polarization isolation [dB]	VSWR
6	5.62	40.13	-66.29	1.82
10	8.73	41.46	-63.52	1.93
14	10.89	42.23	-61.78	2.09
18	12.09	43.20	-64.85	1.66
22	13.44	43.60	-58.62	1.23
26	13.87	44.62	-62.50	1.26
30	14.33	45.40	-58.45	1.82
34	14.74	46.07	-57.01	1.63
38	15.53	46.26	-48.47	1.38
42	15.37	47.29	-70.63	1.23
46	16.01	47.43	-45.28	1.18
50	16.18	47.99	-43.87	1.39
54	16.60	48.23	-48.31	1.63
58	16.82	48.64	-35.54	1.68
62	16.26	49.78	-25.32	1.40
66	16.11	50.47	-23.54	1.70
67	15.97	50.74	-25.90	1.77

Frequency [GHz]	E-plane, 3dB beamwidth	H-plane, 3dB beamwidth
6.0	90.99°	85.32°
9.0	35.99°	33.10°
36.0	35.77°	25.94°
51.0	23.05°	24.00°
67.0	16.17°	18.51°



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