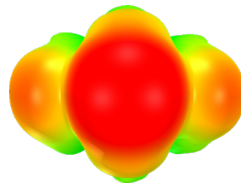




Standard Gain Horn Antennas

11.9 - 18.0 GHz, 15 dBi

Radiation pattern



QR code



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

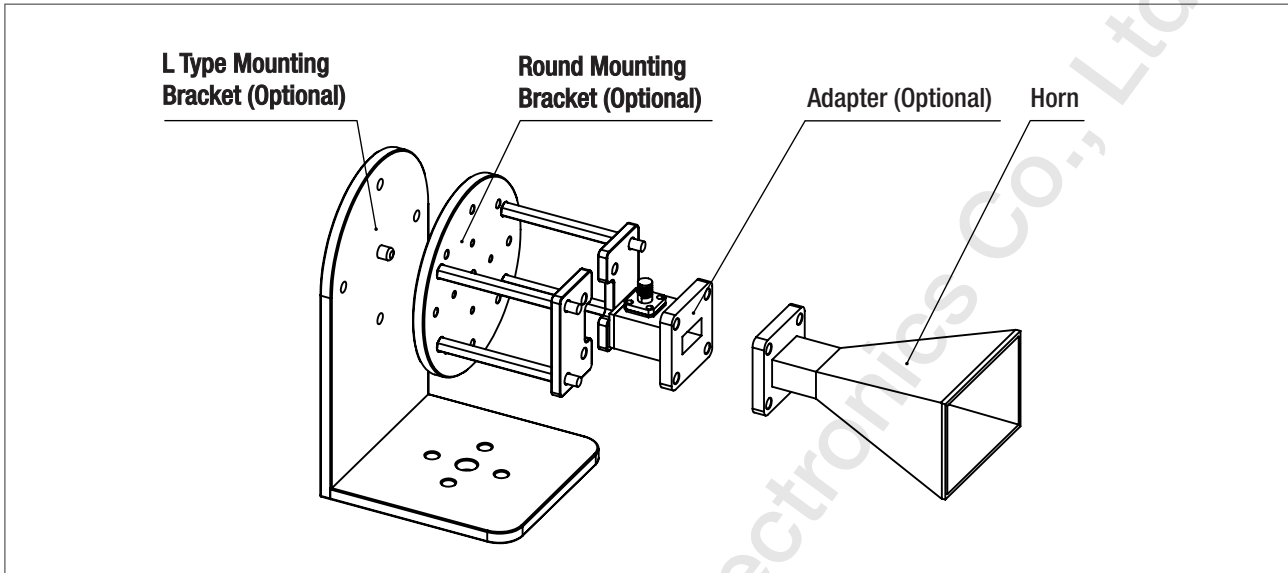
⚙️ Product specifications

Part number	HA-WR62-15	Polarization	Single linear
Antenna type	Pyamidal horn	Gain [dBi]	15 Typ.
Frequency range [GHz]	11.9 – 18.0	3dB beamwidth [deg]	E-plane: 29 Typ. H-plane: 28 Typ.
Waveguide band	WR62	Cross-polarization isolation [dB]	25 Typ.
Dimensions (H x W x L) [mm; inch]	61.5 x 42.5 x 109.29; 2.42 x 1.67 x 4.30	VSWR	1.25 Typ.
Weight (approx.) [kg; lb]	0.11; 0.243	Impedance [Ohms]	50
Material	Aluminum	RF connector	SMA-Female

Outline dimensions

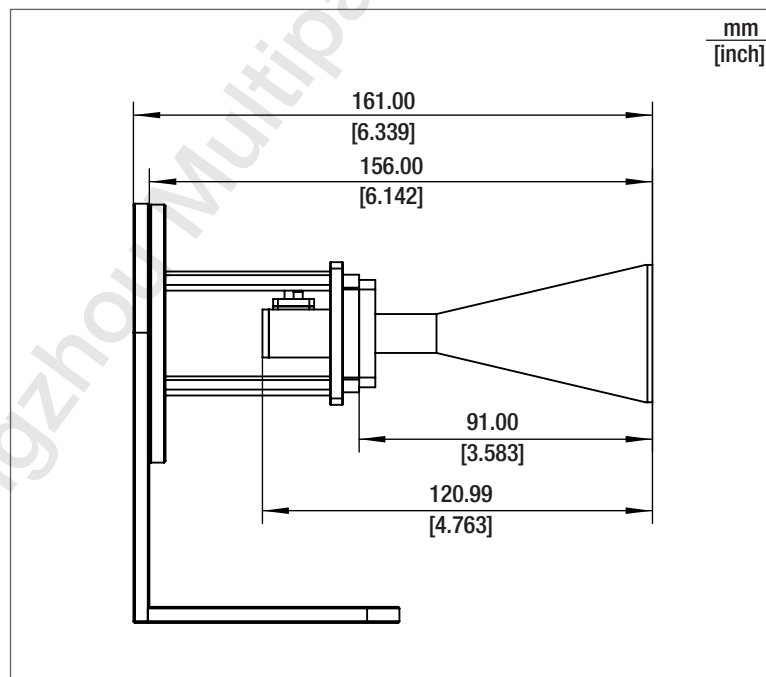
• Assembly dimensional drawing

Multipath Electronics provides complete standard gain horn antennas, forming mounting systems, integrated with (optional) waveguide to coaxial adapters, L type and round mounting brackets. The following figure shows the disassembly diagram of such a system.

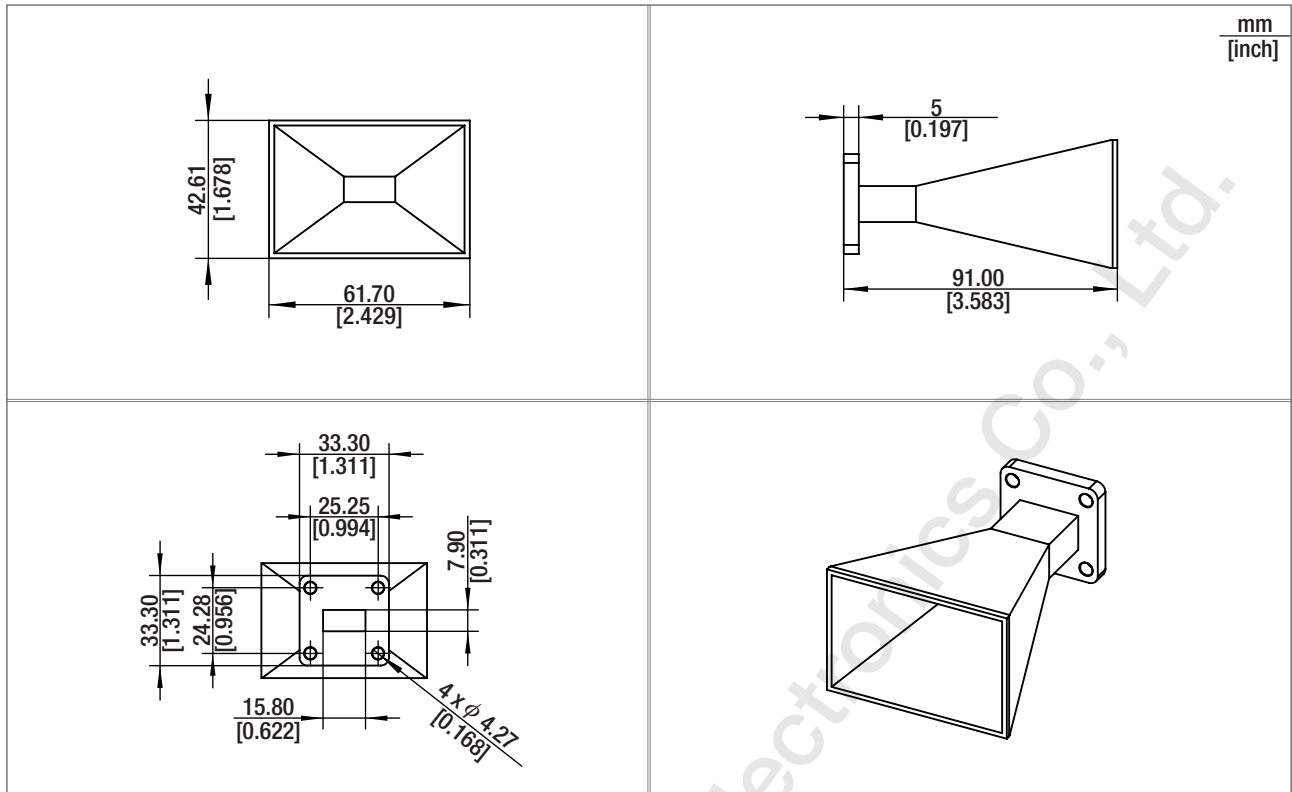


Side view of the mounting system.

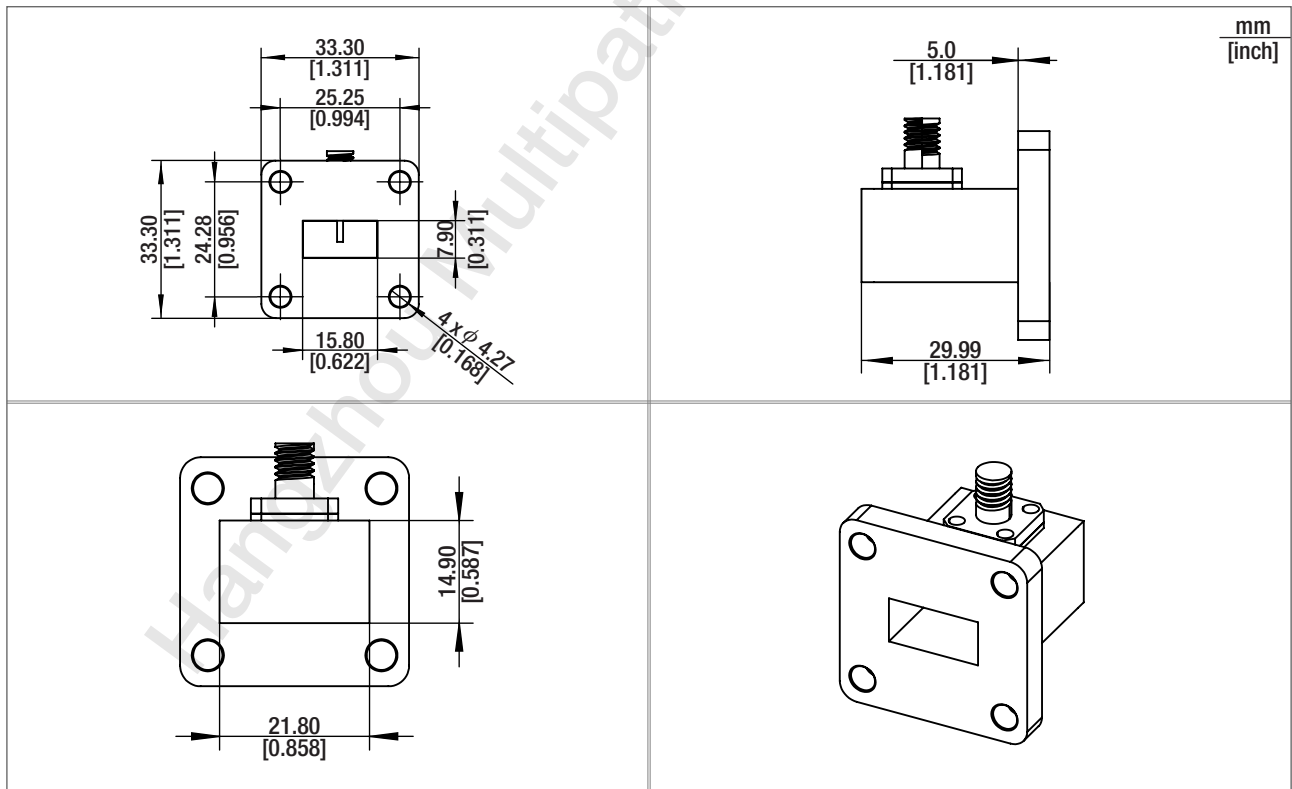
Detailed dimensions of the components will be given in subsequent diagrams.



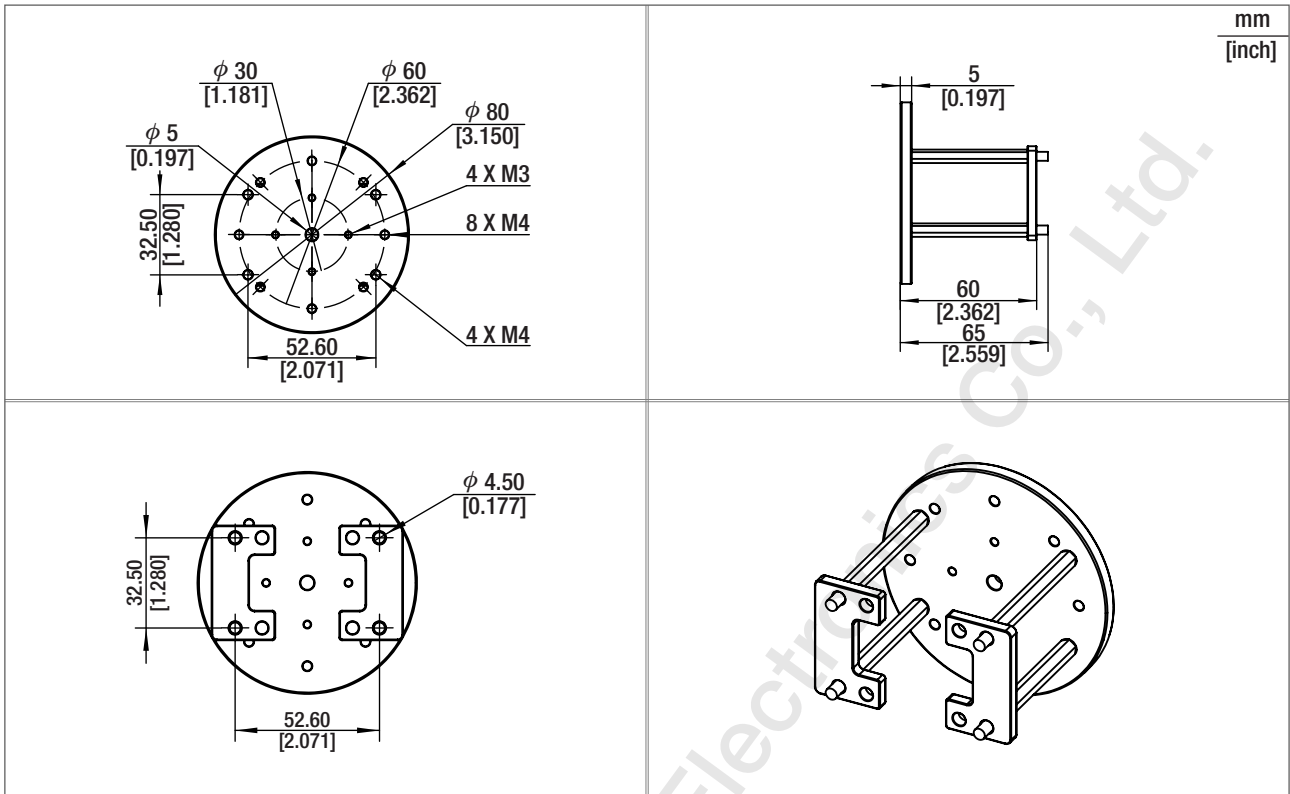
• Dimensional drawing: horn, HA-WR62-15



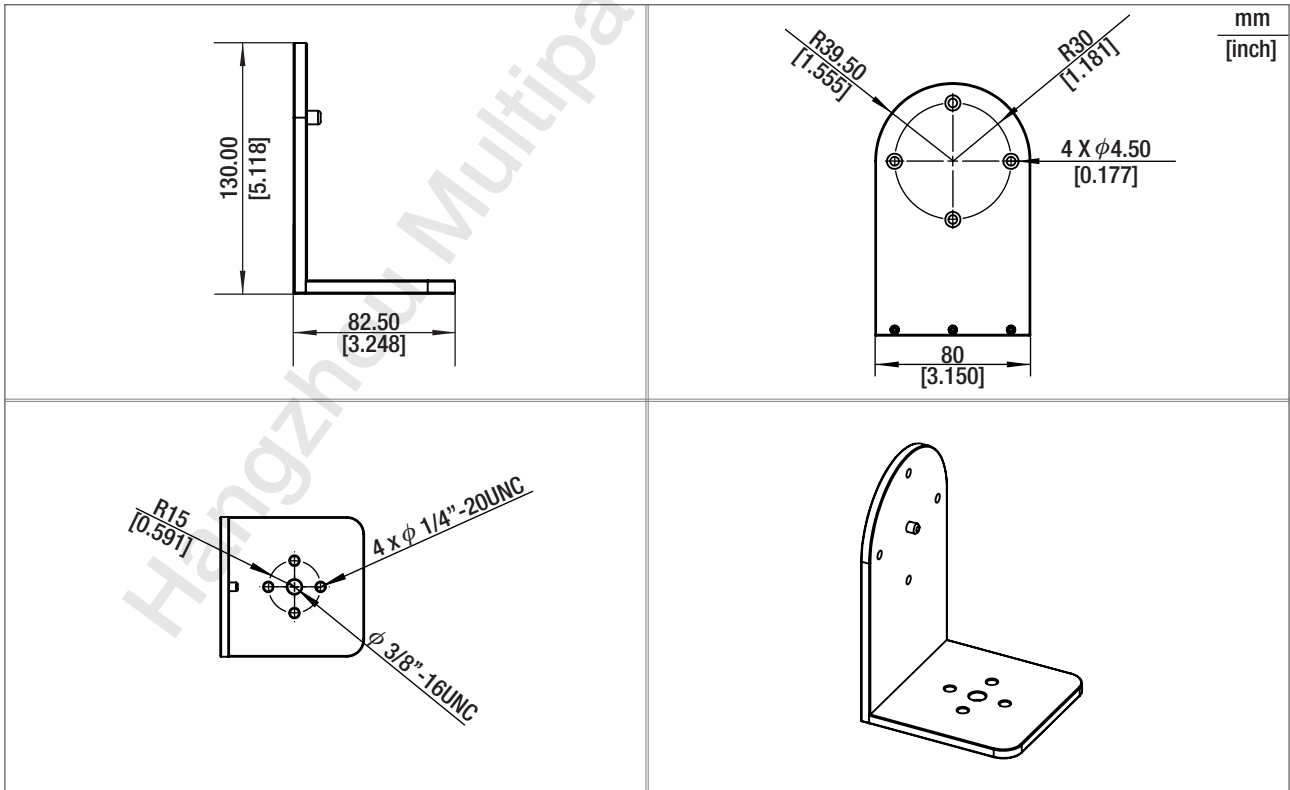
• Dimensional drawing: adapter, WR62-SMA-F (Optional)



• Dimensional drawing: round mounting bracket (Optional)

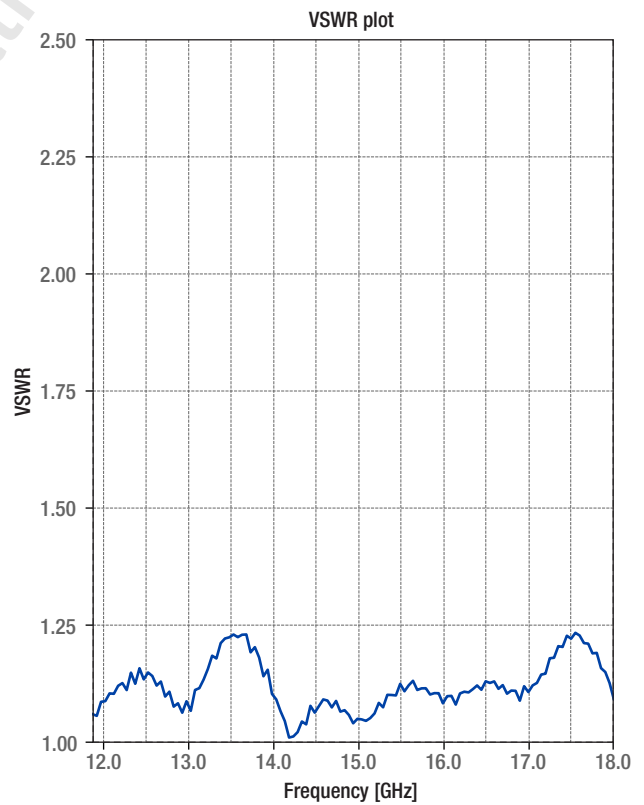
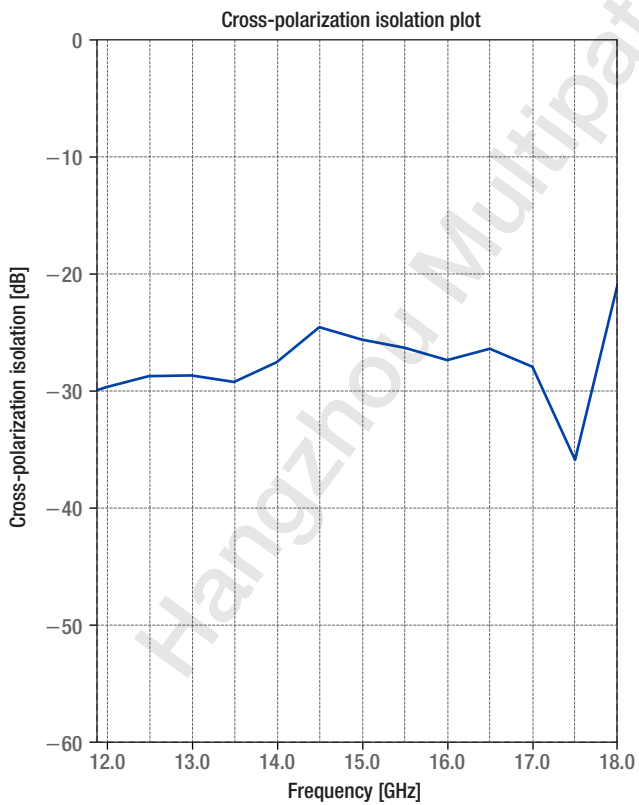
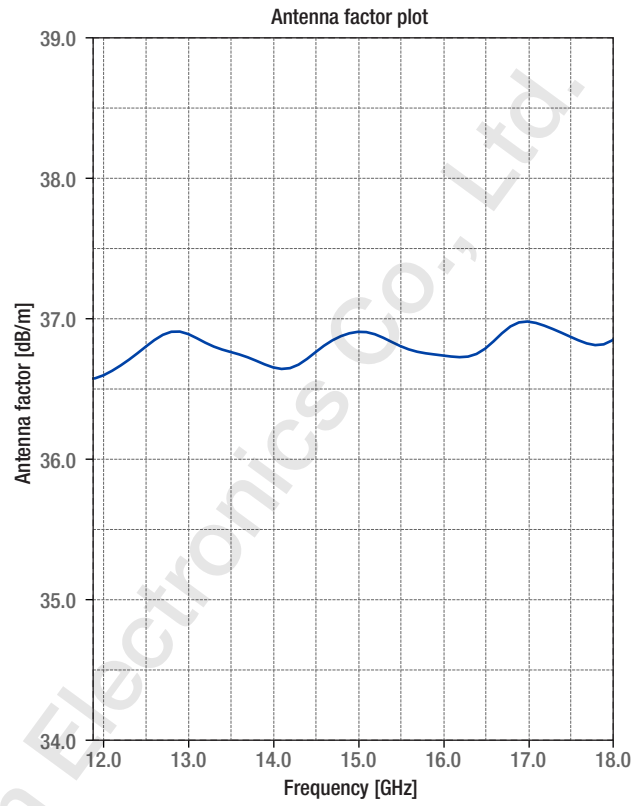
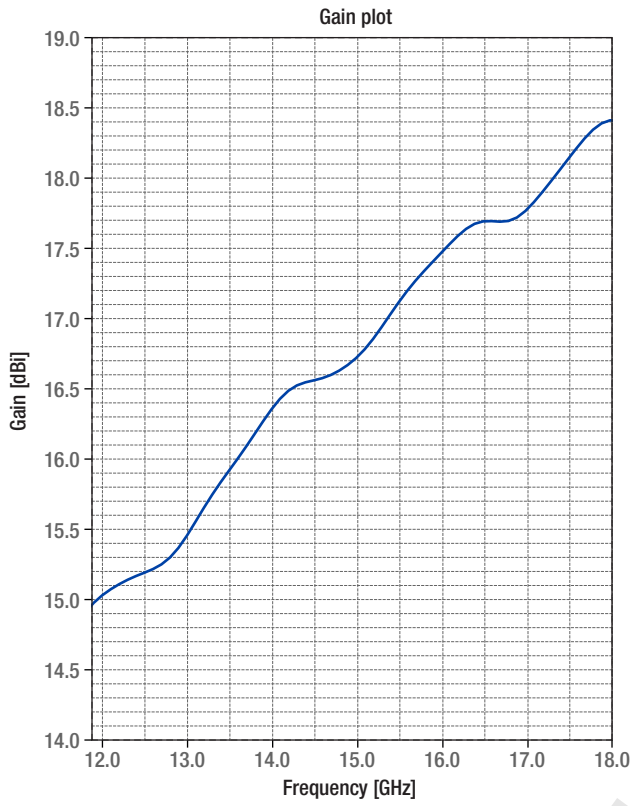


• Dimensional drawing: L type mounting bracket (Optional)



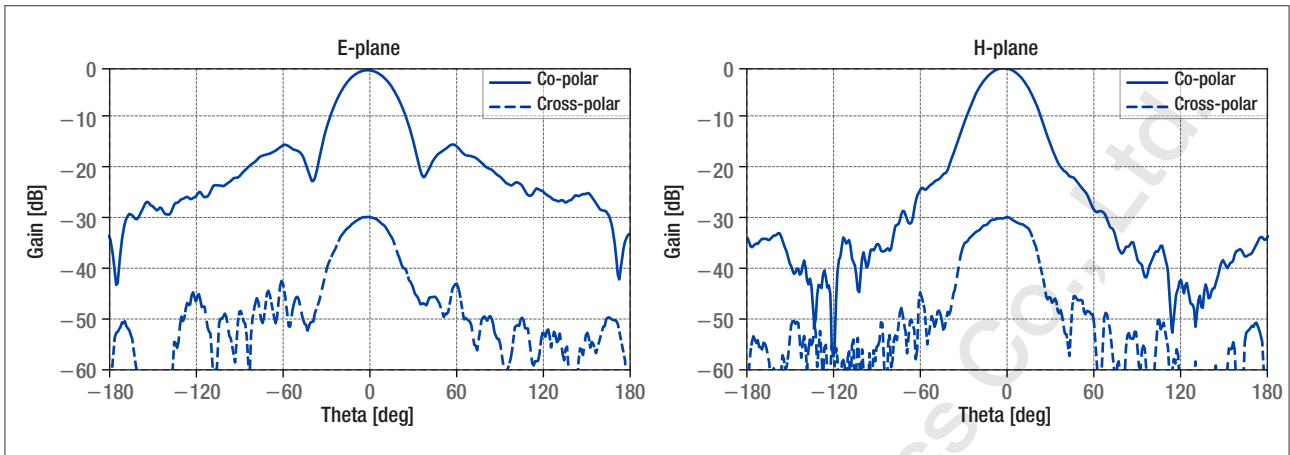
Electrical characteristics

Gain & Antenna factor & Cross-polarization isolation & VSWR

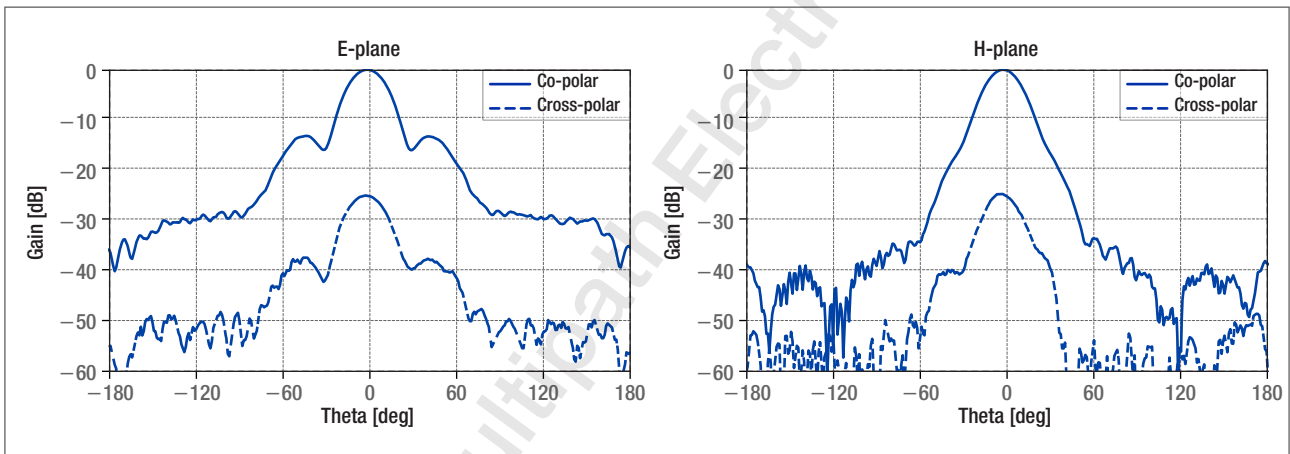


• Radiation patterns

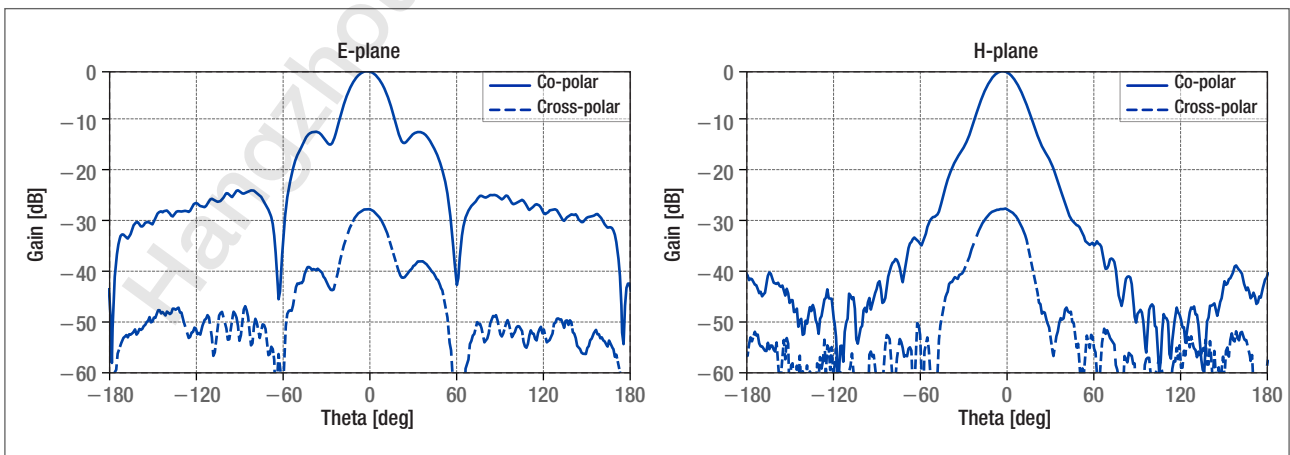
Patterns @ 12.0 GHz



Patterns @ 15.0 GHz



Patterns @ 17.0 GHz



• Data table


Frequency [GHz]	Gain [dBi]	Antenna factor [dB/m]	Cross-polarization isolation [dB]	VSWR
12.0	15.15	36.63	-37.46	1.08
12.3	15.26	36.73	-36.92	1.10
12.6	15.33	36.87	-36.54	1.13
12.9	15.48	36.93	-36.51	1.08
13.2	15.75	36.85	-36.71	1.12
13.5	16.01	36.79	-37.03	1.21
13.8	16.26	36.73	-36.06	1.19
14.1	16.51	36.67	-34.83	1.06
14.4	16.62	36.74	-33.10	1.03
14.7	16.67	36.87	-32.94	1.07
15.0	16.79	36.92	-33.55	1.04
15.3	17.00	36.88	-33.95	1.07
15.6	17.25	36.80	-34.42	1.11
15.9	17.45	36.77	-35.03	1.10
16.2	17.63	36.75	-34.86	1.10
16.5	17.73	36.81	-34.30	1.12
16.8	17.73	36.96	-35.19	1.10
17.1	17.86	36.99	-37.32	1.12
17.4	18.08	36.92	-41.91	1.19
17.7	18.30	36.84	-37.66	1.20
18.0	18.43	36.87	-28.99	1.08

Frequency [GHz]	E-plane, 3dB beamwidth	H-plane, 3dB beamwidth
12.0	31.78°	30.36°
15.0	25.98°	24.42°
17.0	21.67°	20.93°



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