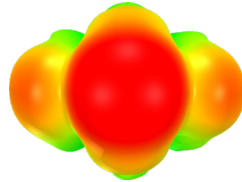


Standard Gain Horn Antennas

2.60 - 3.95 GHz, 15 dBi

Radiation pattern



QR code

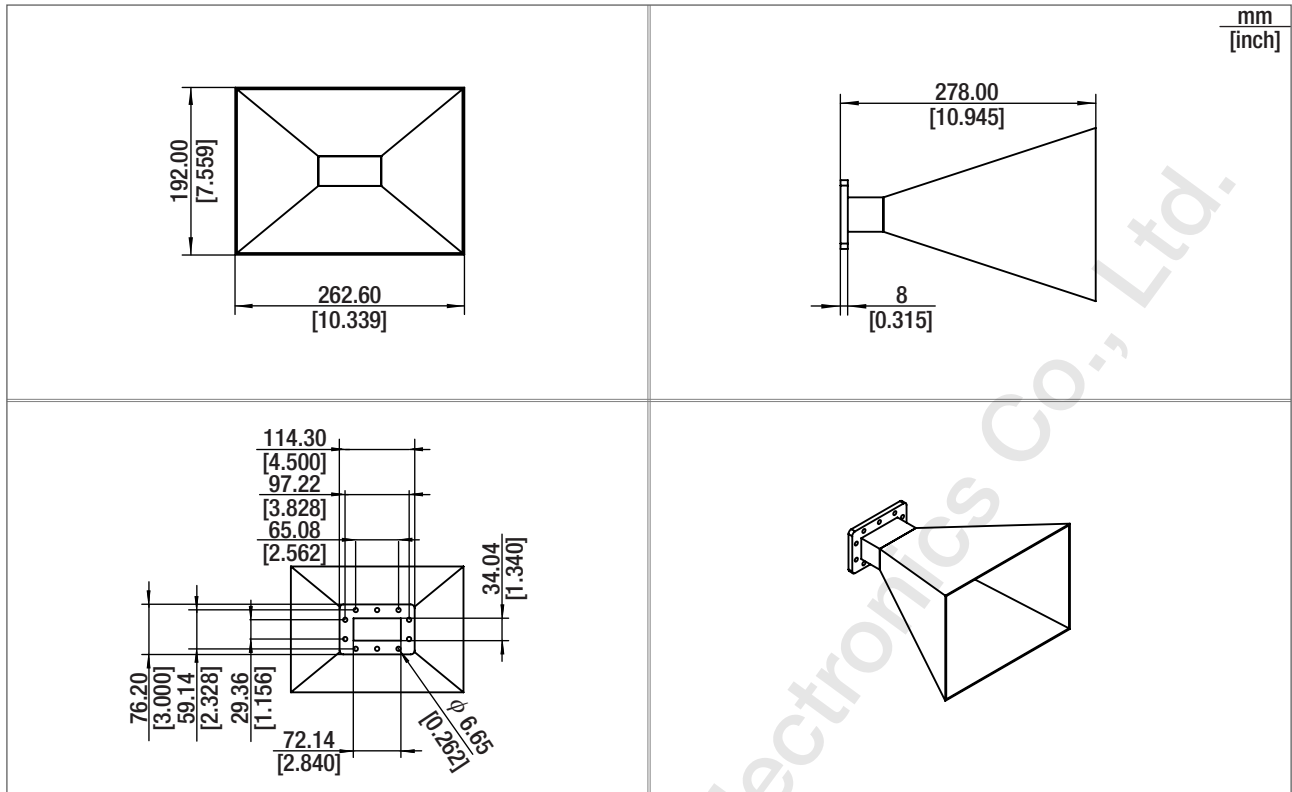


Hangzhou Multipath Electronics Co., Ltd., Zhejiang, China

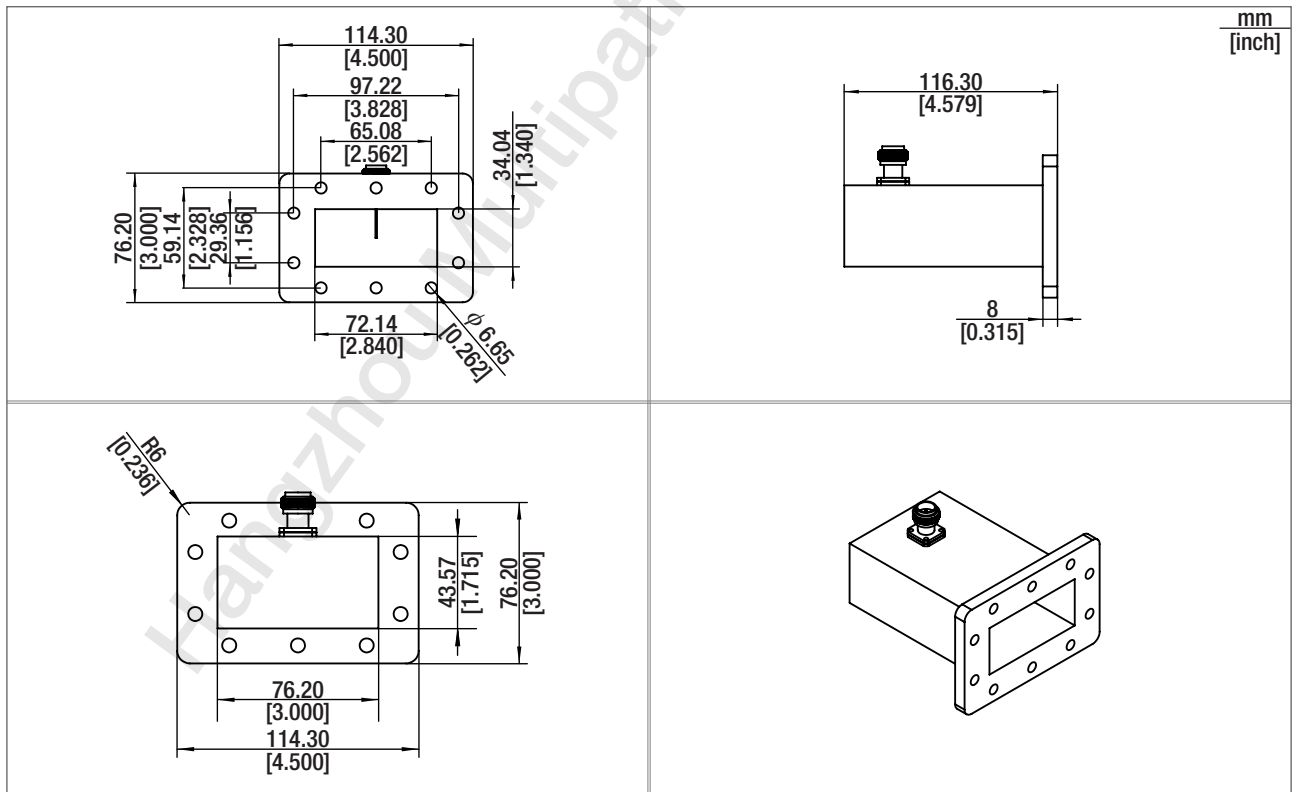
⚙️ Product specifications

Part number	HA-WR284-15	Polarization	Single linear
Antenna type	Pyamidal horn	Gain [dBi]	15 Typ.
Frequency range [GHz]	2.60 – 3.95	3dB beamwidth [deg]	E-plane: 25 Typ. H-plane: 25 Typ.
Waveguide band	WR284	Cross-polarization isolation [dB]	65 Typ.
Dimensions (H x W x L) [mm; inch]	262.6 x 192.0 x 394.3; 10.34 x 7.56 x 15.52	VSWR	1.30 Typ.
Weight (approx.) [kg; lb]	1.39; 3.064	Impedance [Ohms]	50
Material	Aluminum	RF connector	N-Female

• Dimensional drawing: horn, HA-WR284-15

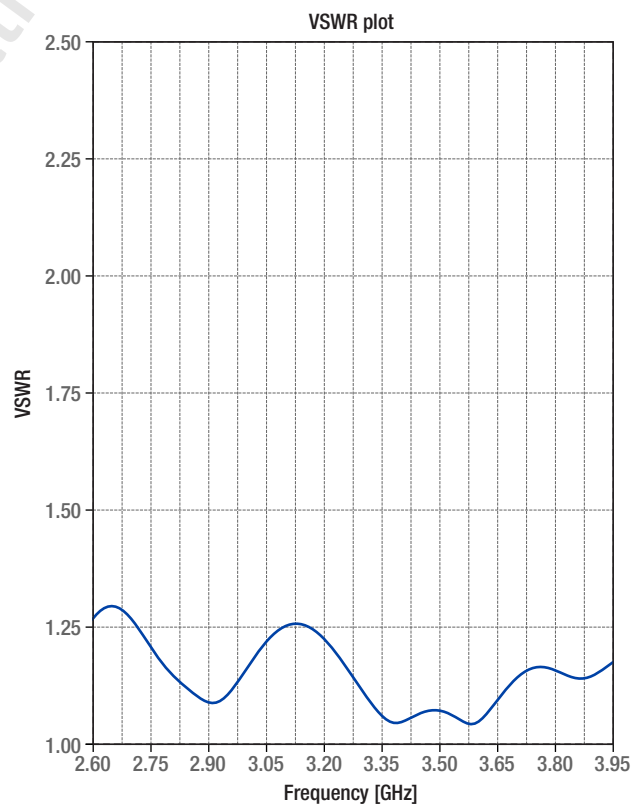
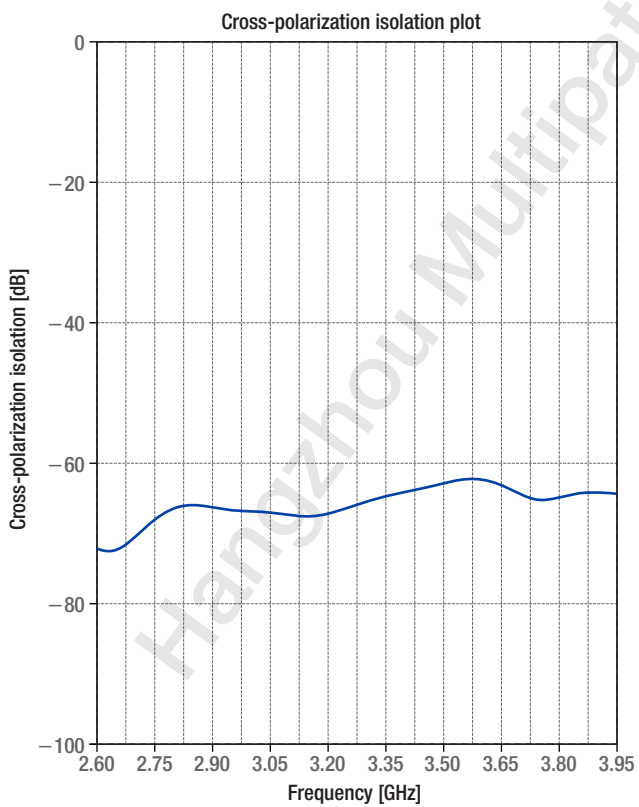
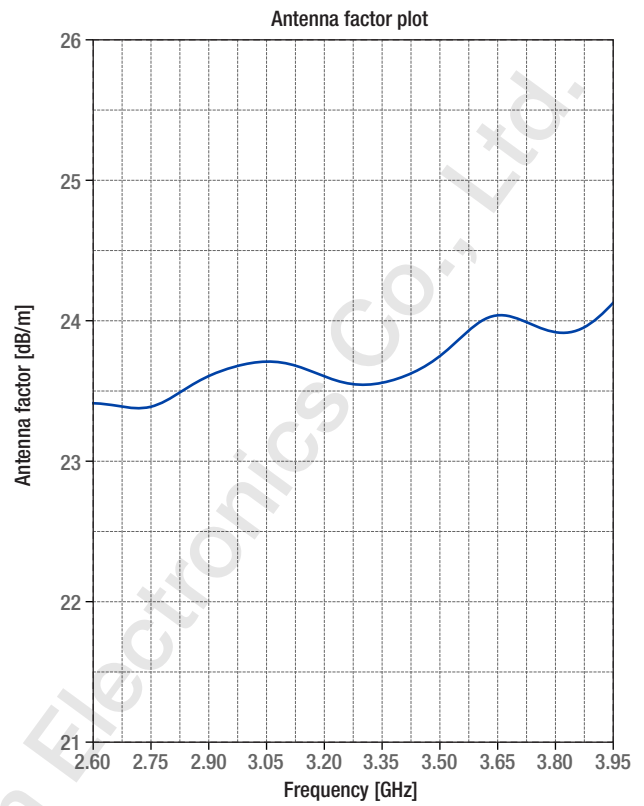
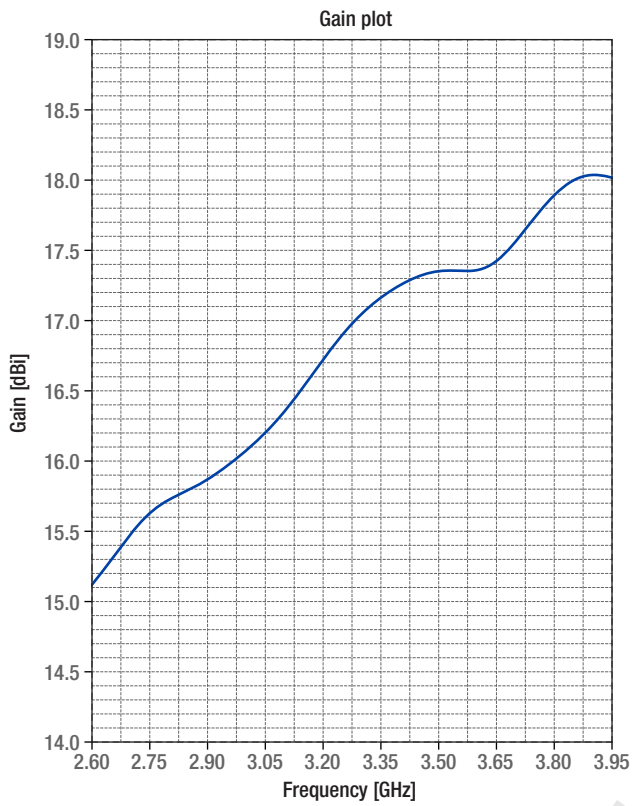


• Dimensional drawing: adapter, WR284-N-F (Optional)



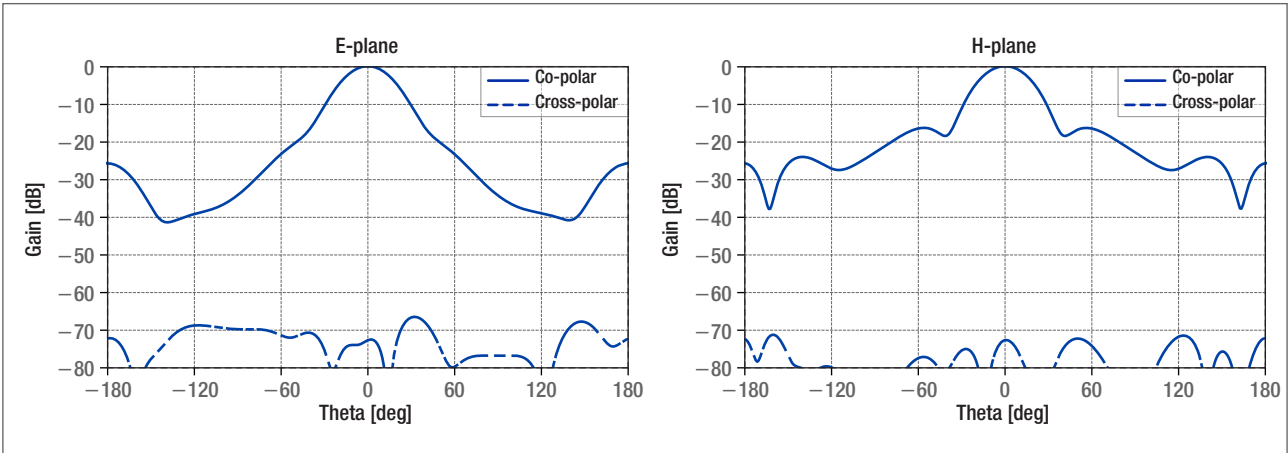
Electrical characteristics

Gain & Antenna factor & Cross-polarization isolation & VSWR

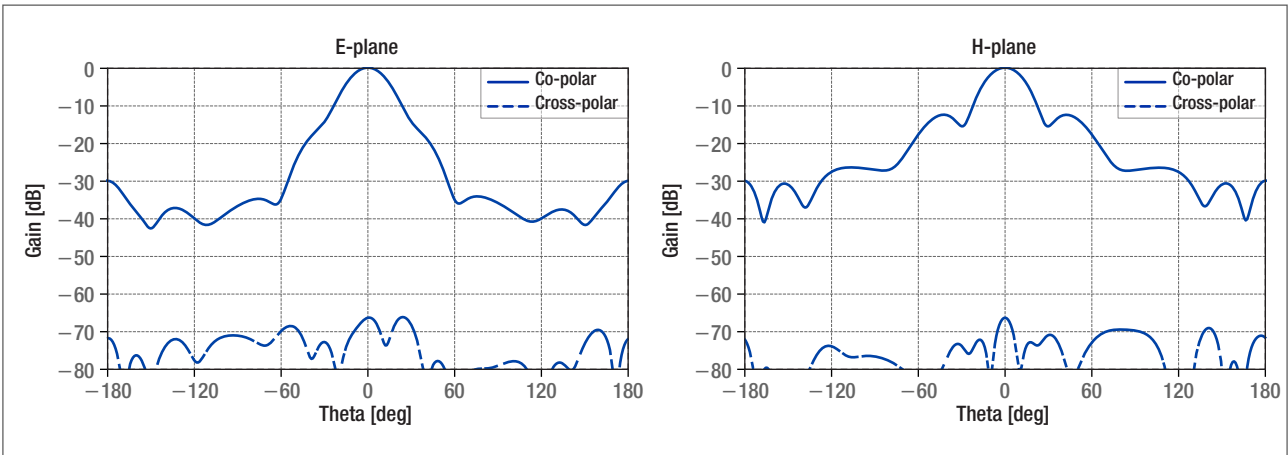


• Radiation patterns

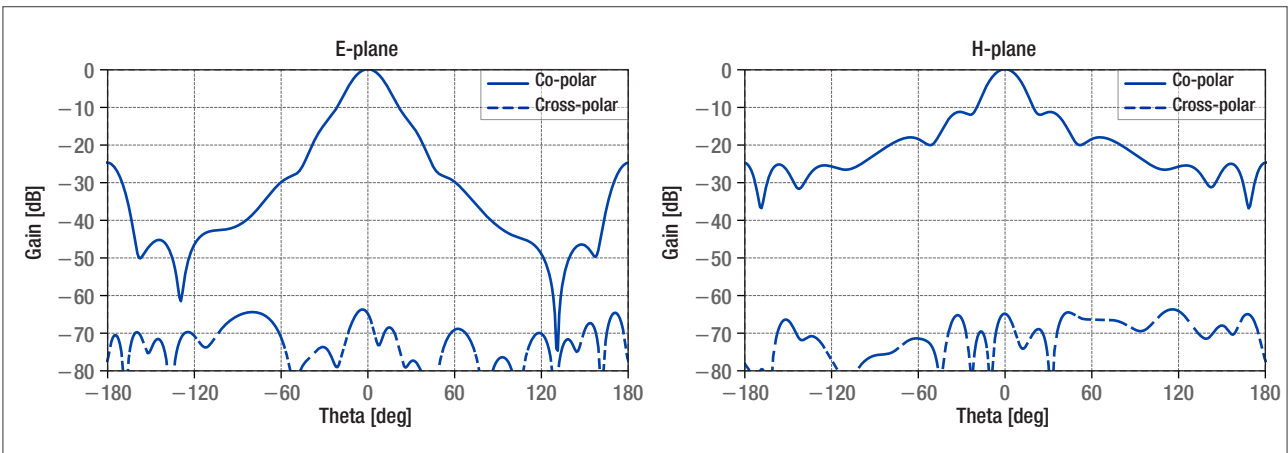
Patterns @ 2.60 GHz



Patterns @ 3.28 GHz



Patterns @ 3.95 GHz



• Data table

Frequency [GHz]	Gain [dBi]	Antenna factor [dB/m]	Cross-polarization isolation [dB]	VSWR
2.60	15.09	23.40	-72.41	1.26
2.75	15.61	23.37	-68.37	1.20
2.90	15.85	23.59	-66.55	1.08
3.05	16.18	23.69	-67.31	1.21
3.20	16.71	23.59	-67.47	1.21
3.35	17.15	23.54	-64.97	1.05
3.50	17.34	23.73	-63.10	1.06
3.65	17.41	24.02	-63.42	1.09
3.80	17.88	23.90	-65.10	1.15
3.95	18.00	24.12	-64.63	1.17

Frequency [GHz]	E-plane, 3dB beamwidth	H-plane, 3dB beamwidth
2.60	31.59°	32.30°
3.28	25.17°	25.26°
3.95	21.61°	21.05°



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