P/N: YX-CDL6-44-10



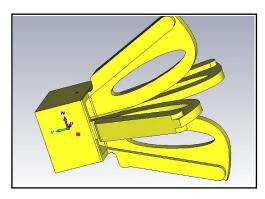
Quad Ridged, Dual Polarized, Horn Antenna, 6-44GHz

Descriptions:

Model YX-CDL6-44-10 is a quad-ridged, dual polarized broadband horn antenna that operates from 6 to 44 GHz. The antenna includes an mounting plate with a 1/4-20 threaded hole and various other mounting holes for flexible mounting capacity. The RF ports are equipped with two female OS2.4mm connectors.

Typical Applications:

- Ultra-Wide bandwidth
- High Isolation
- Reliable gain, low standing wave.
- · Lightweight, high reliability, and long lifespan



Applications:

- •5G mmW Systems
- Antenna Ranges
- Antenna Gain Measurements



Electrical & Environmental Characteristics	
Operating Frequency	6-44 GHz
Gain	4.5-13.5dB
VSWR	2.0 typical
Polarization	Dual Linear
E-Plane 3 dB Beamwidth	45 degrees typical
H-Plane 3 dB Beamwidth	55 degrees typical
Port Isolation	-25dB typical
Cross Polarization	-20dB typical
Power Handling	10W(cw)
Specification Temperature	+25℃
Operating Temperature	-40℃~+85℃

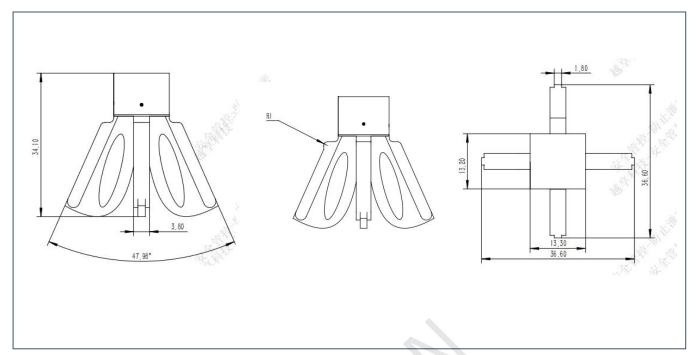
Material & Coat-Plating	
Antenna Ports	OS2.4-Female
Mounting	Mounting Plate with 1/4-20 threaded hole
Material	Aluminum
Finish	Chem Film (Antenna), Black Anodized (Antenna Mount Plate)
Size	34.1*36.6*36.6mm
Weight (approx.)	N/A

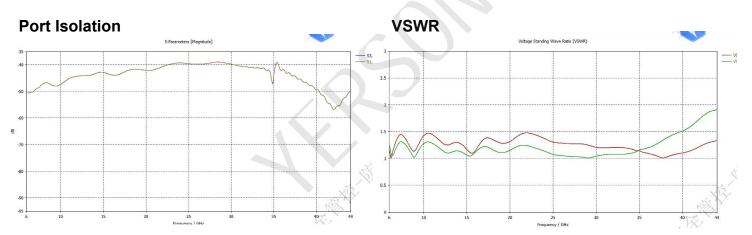


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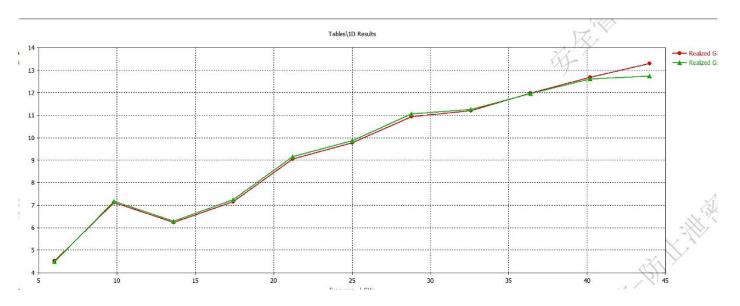
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Outline Drawing(Unit:mm)





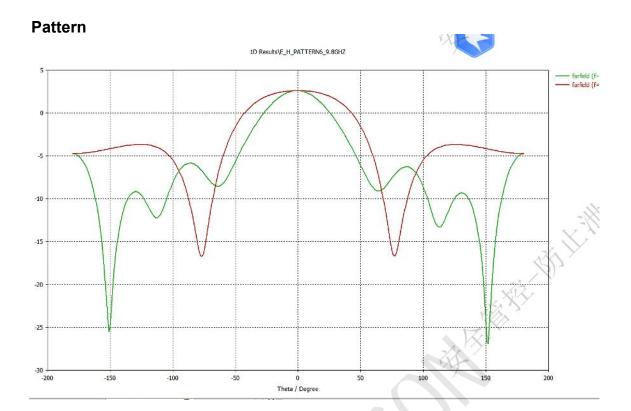
Gain VS Frequency



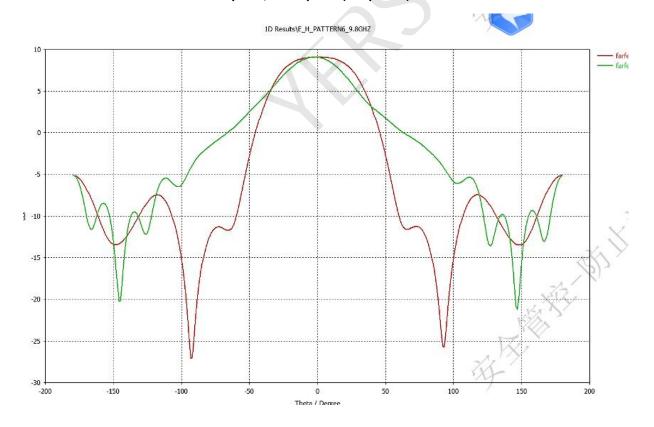


Quad Ridge, Dual Polarize, Horn Antenna, 6-44 GHz

P/N: YX-CDL6-44-10



Green E-plane, Red H-plane (Freq:9GHz)



Green E-plane, Red H-plane (Freq:23GHz)



Quad Ridged, Dual Polarized, Horn Antenna, 6-44 GHz

P/N: YX-CDL6-44-10

Pattern



Green E-plane,Red H-plane (Freq:40GHz)

Note: All of the aboving data come from simulating.

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