

WR-1.5 Gain Horn Antenna 500-750 GHz



TECHNICAL SPECIFICATIONS

<ul style="list-style-type: none"> • Frequency Range 500 – 750 GHz • Typical Gain 25 dBi • Polarization Linear • 3 dB Beamwidth (E- / H-Plane) 10° / 10° • VSWR 1.5 : 1 (max) 	<ul style="list-style-type: none"> • Side Lobe Level @ 625 GHz -11.9 dB (E) / -28.1 dB (H) • Waveguide Interface WR-1.5 • Flange Type UG-387/U-M anti-cocking • Material & Finish Brass, gold-plated • Specification Temperature 25 °C
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APPLICATIONS

<p>Antenna Gain Testing & Calibration Reference standard for sub-THz antenna characterization and far-field measurement</p>	<p>mmWave & 6G Research Link budget validation, channel sounding and propagation studies above 500 GHz</p>	<p>FOD Detection & Imaging Sub-THz radar imaging for foreign object debris detection and security screening</p>
<p>Defense & SATCOM D-band, G-band and beyond, including ISAC, sensing and secure communications</p>	<p>System-Level Test Setups VNA-extender feeds, OTA test chambers and beam-pattern measurement benches</p>	<p>University & THz Laboratories Sub-millimeter-wave instrumentation, spectroscopy and academic research</p>