



C Band Quadrifilar Helix Drone Jammer Antenna

QHA-5060

5000-6000 MHz

2 dBi Gain

High-Frequency C-Band UAV and Drone Jamming Performance: The Model QHA-5060 is an ultra-compact quadrifilar helix antenna engineered for **elite tactical operations** across the **5000–6000 MHz C-band spectrum**, delivering a typical gain of **2 dBi**. This high-performance system features a wide **hemispherical elevation pattern** with a vertical beamwidth exceeding **90+ degrees**, ensuring flawless **ground-to-air coverage** without any manual field tuning. Utilizing advanced omni-directional circular polarization (available in **LHCP or RHCP**) to combat multipath fading, the antenna features fully welded copper alloy loops coupled with a proprietary Teflon dielectric transmission line to effortlessly handle an **RF power capacity of 80 Watts**. This specialized broadband architecture delivers exceptional signal penetration, making it an ideal choice for high-power UAV jamming applications, **multi-frequency signal scanning, tactical surveillance, and real-time electronic countermeasure tasks.**

Ultra-Lightweight Tactical Integration and Rugged Build:

Weighing just 100 grams with a micro-profile length of 115 mm, the QHA-5060 is designed for rugged mobility and is enclosed in a high-impact, **UV resistant ABS radome** that minimizes wind loading up to **160 Km/Hr** while reducing ice accumulation. The physical blueprint includes an integrated **D.C. grounded lightning protection circuit** to provide a low-resistance discharge path, enhancing noise immunity in complex signal environments. For ultimate deployment flexibility, the unit is fitted with a **direct-mount N-Male** termination, making it perfectly suited as a thru-hole vehicle chassis mount or for direct integration onto portable man-pack modems, **tactical armor**, and commercial unmanned aerial vehicles.



Electrical Specifications:

Frequency Range	5000 -6000 MHz.
Gain	2 dBi. Typical
Bandwidth	5-6 GHz
Polarization	Circular – RHCP or LHCP
Input Impedance	50 Ohms
Azimuth Radiation Pattern - Typical	Omni-directional
Termination	N-Male
Vertical Beam-width –Half Power Points.	90 Degrees Typical
VSWR – Better Than	2:1
RF Power Handling Capacity	80 Watts

Mechanical Specifications:

Materials	6063T6 Aluminum & Copper
Mounting Hardware -Materials	High Grade Stainless Steel
Wind Rating	160 Km/Hr.
Overall Length	115 mm
Shipping Length	150 mm
Mounting Type	Direct N Male
Final Finish/Color	Olive Green, Black or Customized
Gross Weight Approx	100 Grams
Radome Materials	UV Resistant ABS

Environmental Specifications:

Operating Temperature	(-)30 to +70 Degrees Celsius
Storage Temperature	(-)40 to +80 Degrees Celsius
Humidity	0 to 95% RH

Please contact us for further information like Azimuth & Elevation radiation patterns, Image and frequency Vs VSWR graph.