



## **SIGNAL ANTENNA SYSTEMS**

### **MODEL: CPA8-520090-RH**

The **CPA8-520090-RH** is a compact **C-band antenna** designed and optimized for **Telemetry, Tracking & Command (TT&C)** and small satellite communications. It provides **right-hand circular polarization (RHCP)**, low VSWR, and stable gain performance across the 4.9–5.8 GHz band in a lightweight, low-profile package. The antenna construction utilizes **materials compliant with NASA low-outgassing requirements**, making it suitable for space and high-reliability aerospace environments. It is well-suited for **CubeSat, nanosatellite, UAV, and other space- and airborne-constrained platforms** where reliable C-band links and minimal size and weight are required.

<b>CPA8-520090-RH</b>	
Frequency Range	4,900–5,800 MHz
Gain	8.0 dBic
3-dB Beamwidth	80° typ.
Polarization	RHCP
Axial Ratio	< 2.0
VSWR	1.5:1 max
Impedance	50 Ohm
Power Handling	5 W (CW)
<b>MECHANICAL</b>	
Dimensions	1.57"x1.57"x0.4"
Weight	2.0 oz
Mounting	4X Holes for 4-40 or M3 Screws
Interface	SMP Jack (Limited Detent)