



## **SIGNAL ANTENNA SYSTEMS**

### **MODEL: CPA8-480060-RH**

The **CPA8-480060-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 4.4–5.2 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>CPA8-480080-RH</b> |                                |
|-----------------------|--------------------------------|
| Frequency Range       | 4,400–5,200 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)      |