SIGNAL ANTENNA SYSTEMS
MODEL: KSLA-231025-RH

The **KSLA-231025-RH** is a high-gain **K-band RHCP antenna** designed for **space, airborne, and high-power datalink applications** operating in the 22.5–23.5 GHz band. Delivering **25.3 dBic gain**, **excellent axial ratio (< 1.5)**, and **50 W CW power handling**, it provides superior link margin and polarization purity compared to conventional K-band antennas. The antenna is optimized for **high-data-rate satellite links, spacecraft crosslinks, and precision point-to-point communications** in demanding aerospace environments.

KSLA-231025-RH	
Frequency Range	22.5 – 23.5 GHz
Gain	25.3 dBic
3-dB Beamwidth	9.0^0 typ.
Polarization	RHCP
Axial Ratio	< 1.5
VSWR	1.8:1 max
Impedance	50 Ohm
Power Handling	50 W (CW)
MECHANICAL	
Dimensions	3.73”x3.73”x1.8”
Weight	4.0 oz
Mounting	8X Holes for 6-32 or M4 Screws
Interface	WR-34 ot 2.92mm