Patch Antenna S - Band - ISM - 2.45Ghz

S-Band left-hand-circular (LHCP)



This high gain S Band - ISM patch antenna belongs to the new generation of antennas designed for communications links, payload data and telemetry of Cubesat satellites and small satellites. It has a polarization rotation that, due to the refraction of the ionosphere, improves its performance, in addition to a circular polarization that provides an independent position to the ground antenna. We offer the possibility of modifying and customizing the antenna to the specific needs of each client.

Frequency range : 2435 - 2485 MHz

Gain : >6.5 dBi typ.

vertical beam : ± 65 °

horizontal beam : ± 65 °

F/B Ratio : > 20 dB

VSWR : < 1.05 @ center freq.

Impedance : 50 Ω

Polarization : LHCP (opt. RHCP)

Scope : <2000km

Watt : 4w

Connector : SMA (f), UMP

Dimensions: 80mm x 80mm x 3.2mm

Weight : 49 g

Isolation RHC/LHC : 12 dB typ. at 2450 MHz

