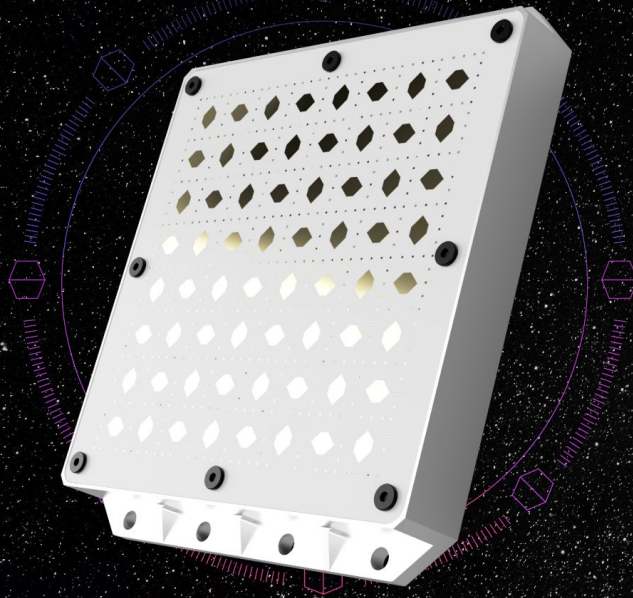


BEAMSAT

K - BAND PATCH ANTENNA



PLANAR HIGH-GAIN 8X8 PATCH ANTENNA FOR LEO EARTH OBSERVATION HIGH THROUGHPUT DATA AND TELEMETRY DOWNLINK APPLICATIONS

OVERVIEW

The **high-gain K-band 8x8 patch antenna**, is designed for nano, micro and small satellites. It can be supplied **with or without an enclosure** weighing **135 g** (with enclosure), external structure occupying less than **1 U surface**. Its peak gain of **22 dBi** and its **compact design** make it ideal for a wide range of missions ensuring high data rate transmission with no compromises.

APPLICATIONS

- LEO Earth Observation data downlink
- Cubesats and Smallsats Telemetry



MAIN PARAMETERS

FREQUENCY	17.3-21.2 GHz
PEAK GAIN	22 dBi
INPUT MATCHING	< -15 dB
HPBW	10.2°
AXIAL RATIO	< 2 dB
POLARIZATION	LHCP
CONNECTOR	SMP

MECHANICAL PROPERTIES

MASS	135 g (with enclosure)
VOLUME	110.0 mm x 96.0 mm x 14.0 mm (with enclosure)

