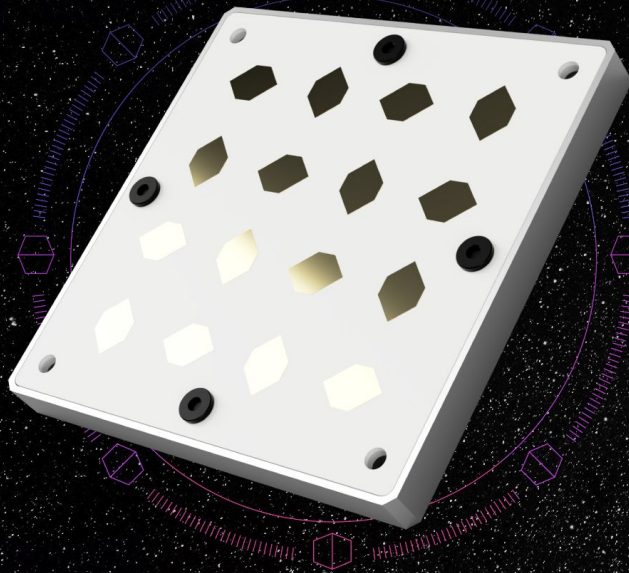


# PICOSATS

SPACE TECHNOLOGIES SOLUTIONS

## BEAMSAT

### X - BAND PATCH ANTENNA



PLANAR HIGH-GAIN 4X4 PATCH ANTENNA FOR LEO EARTH OBSERVATION HIGH THROUGHPUT DATA AND TELEMETRY DOWNLINK APPLICATIONS

### OVERVIEW

The **high-gain X-band 4x4 patch antenna**, is designed for nano, micro and small satellites. It can be supplied **with or without an enclosure** weighing **100 g** (with enclosure), offering a simple and **efficient mounting solution** to the satellite's external structure occupying less than **1 U surface**. Its peak gain of **17 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



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# MAIN PARAMETERS

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FREQUENCY	8.025-8.4 GHz
PEAK GAIN	17.1 dBi
INPUT MATCHING	<-15 dB
HPBW	22.6°
AXIAL RATIO	<1.5 dB
POLARIZATION	RHCP
CONNECTOR	SMP

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## MECHANICAL PROPERTIES

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MASS	100 g (with enclosure)
VOLUME	98.0 mm x 98.0 mm x 10.8 mm (with enclosure)

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