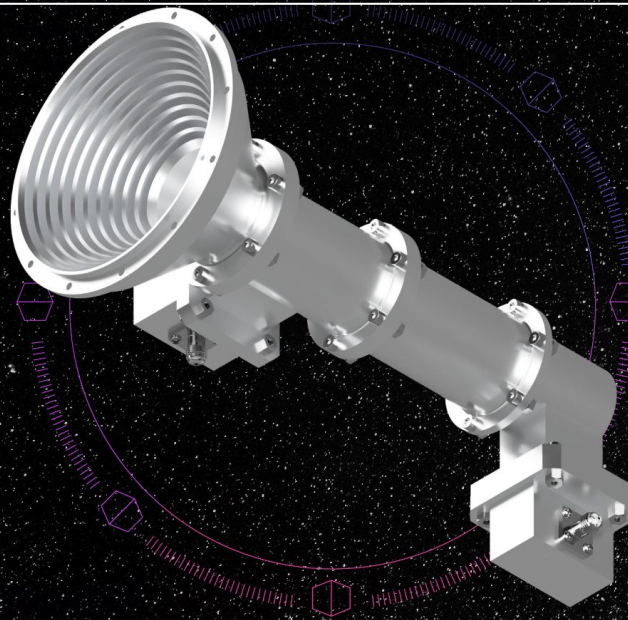


# PICOSATS

SPACE TECHNOLOGIES SOLUTIONS

## BEAMSAT

### KU - BAND HORN ANTENNA



COST - EFFECTIVE DUAL BAND DUAL POLARIZATION HIGH - GAIN ANTENNA (HGA) FOR LEO AND GEO APPLICATIONS

## OVERVIEW

The **Ku-band horn antenna** is designed for satellite services applications in both **LEO** and **GEO** orbits. With a volume **< 2U** and a mass of **633 g**, it offers **high-gain performance** and supports **dual-band, dual-polarization** capabilities, ensuring reliable communication across a **wide range of frequencies**. Its cost-effective design makes it ideal for missions requiring efficient payload integration, enabling robust data transmission while minimizing space and weight constraints.

### APPLICATIONS

- LEO small satellites services
- GEO satellites services
- FSS telecommunications
- HTS Terminals



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# MAIN PARAMETERS

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	KU - BAND 1	KU - BAND 2
FREQUENCY	10.7-12.75 GHz	13-14.8 GHz
PEAK GAIN	16.2 dBi	16.2 dBi
INPUT MATCHING	<-15 dB	<-15 dB
HPBW	22°	22°
INSULATION	< -50 dB	-
POLARIZATION	Linear	Linear
CONNECTOR	SMA	SMA

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## MECHANICAL PROPERTIES

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MASS	633 g
VOLUME	109.1 mm x 109.1 mm x 205.3 mm

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