



SPACEMANIC

# GLOBEANT GlobalStar antenna

SM-GLOBEANT-TGLS

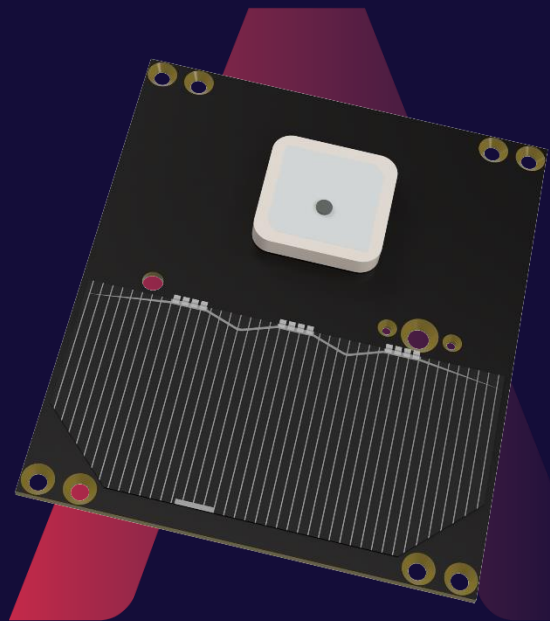
Ceramic patch antenna for GlobalStar satellite constellation transmitter modules used on the nano-satellites.

## FEATURES

- Plug&Play design
- Compatible with Spacemanic cubesat standard
- Compatible with cubesat components from other vendors
- Robust design
- Possibility of the mounting on the solar panels RA modules instead of the one cell.

## PRODUCT PROPERTIES

- Operating temperature: -40°C to +85°C
- Dimensions: 25x25x4 mm
- Mass: 10g



## FUNCTIONAL CHARACTERISTICS

- GlobalStar band (centre frequency 1615MHz)
- Frequency range: 1602 - 1627MHz (VSWR < 2)
- VSWR @ centre frequency: 1.5 max.
- Peak gain: 5dBi
- Impedance: 50 Ohm
- Polarisation: LHCP
- Efficiency: 80%

## INTERFACES

- MMCX male connector on RG-178 cable

## TESTING & HERITAGE

- Based on flight Heritage Hardware
- Successful vibration & heated vacuum tests