



SPACEMANIC

GNSSANT

GNSS antenna

SM-GNSSANT-TGLS

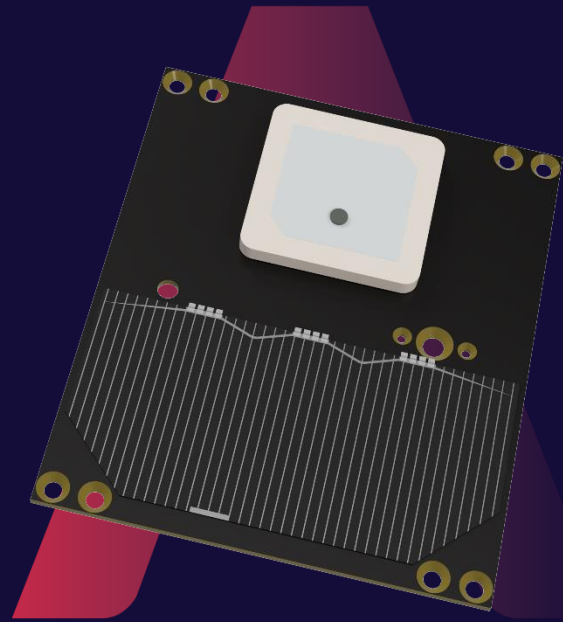
Passive ceramic patch antenna for GNSS receivers used on the nano-satellites.

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: 35x35x3.7 mm
- Mass: 10g



FUNCTIONAL CHARACTERISTICS

- L1/B1 GNSS band
- Frequency range: 1556 - 1618MHz (VSWR < 2)
- Peak gain: 4dBi
- Impedance: 50 Ohm
- Polarisation: RHCP
- Efficiency: 70%

INTERFACES

- SSMCX male connector on RG-178 cable

TESTING & HERITAGE

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