



SPACEMANIC

Zenith The GNSS Active Antenna

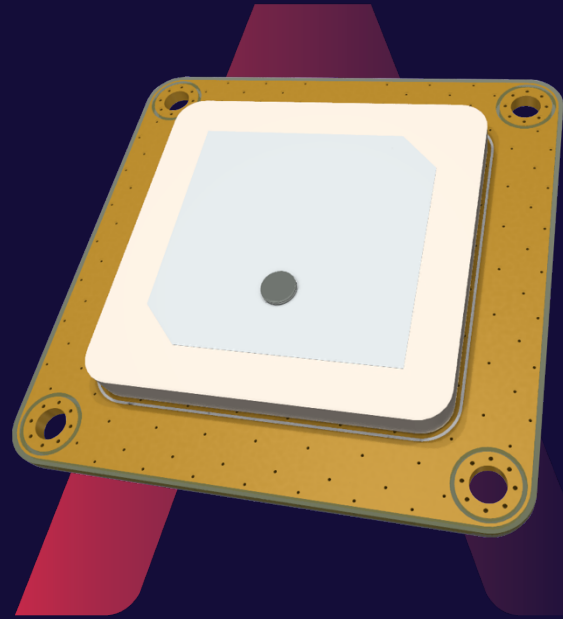
Active ceramic patch antenna for GNSS receivers used on the nano-satellites.

FEATURES

- Plug&Play design
- Compatible with Spacemanic cubesat standard
- Compatible with cubesat components from other vendors
- Robust design

PRODUCT PROPERTIES

- Operating temperature: -40°C to +85°C
- Dimensions: 50x50x8.8 mm
- Mass: 20g



FUNCTIONAL CHARACTERISTICS

- L1/B1 GNSS band
- Frequency range: 1556-1618MHz (VSWR <2)
- Peak gain: 4dBi
- Polarization: RHCP
- Efficiency: 70%
- Impedance: 50 Ohm
- LNA gain: ~15dB
- NF: ~2Db
- Input voltage: 3.3-5V

INTERFACES

- MMCX antenna connector

TESTING & HERITAGE

- Based on Flight Heritage Hardware