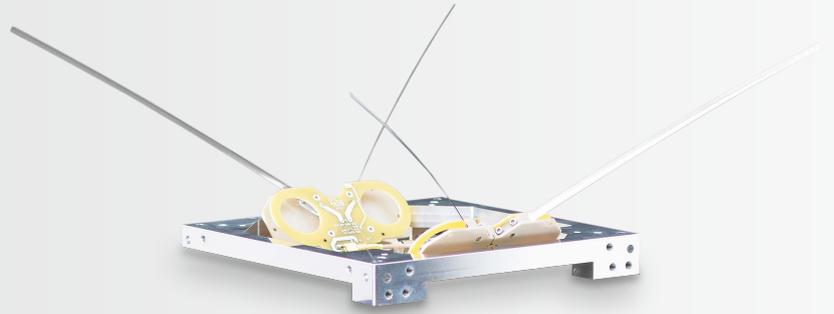


ANTENNA SYSTEM

MAIN FEATURES

- **Flight heritage** acquired in 2021 with the launch of RadCube
- Curved cross section tape
- Near omnidirectional radiation pattern
- Antenna - Stainless spring steel
- 0.1-2.0 second opening time (from -70°C to +85°C)
- Cold redundant system
- ESA qualified concept
- Easy to tune
- Antenna configuration: V-dipole
- Radiation tested (TID)



SPECIFICATION

Property	Value
Input impedance (deployed)	50 Ω
Polarization	Linear
Input port	Coaxial
Connector on antenna side	MCX female
Center frequency	401 MHz
Input reflection (s11) at center frequency	<-20 dB
Bandwidth (-10 dB)	30 MHz
Maximal input power	3 Watt
Antenna main beam gain	3.8 dBi
Mass	150~200 g
Envelope Stowed (l x w x h)	100x100x18 mm
Antenna length	~180 mm (customizable)
Electrical power	5 Watt
Operational temperature range	- 70 - +85 °C
Antenna opening time	0.1 - 2.0 second