

ASSET

Retro-CS

PROFILE

LEO qualified Laser Retroreflector (LRR) for precision orbit determination.

MISSION BRIEFING

The Foundational Retro-CS laser retroreflector enables high-precision tracking of satellites with Satellite Laser Ranging (SLR) up to 800km orbits for missions with a wide array of challenging CONOPS. The Retro-CS has been designed to enable easy integration into CubeSat missions where volume is at a premium.

The countersunk design allows the Retro-CS to sit almost flush to the skin of the CubeSat enabling compliance with all major dispensers.

DATA

Mass 15g

Dimensions 42 x 42 x 14 mm

Angle of Acceptance 100°

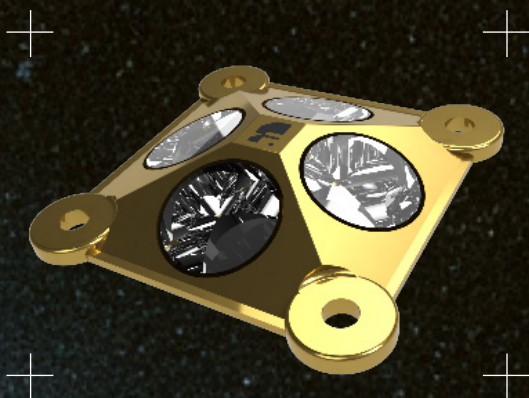
Maximum Altitude 800km

Qualification level TRL 9

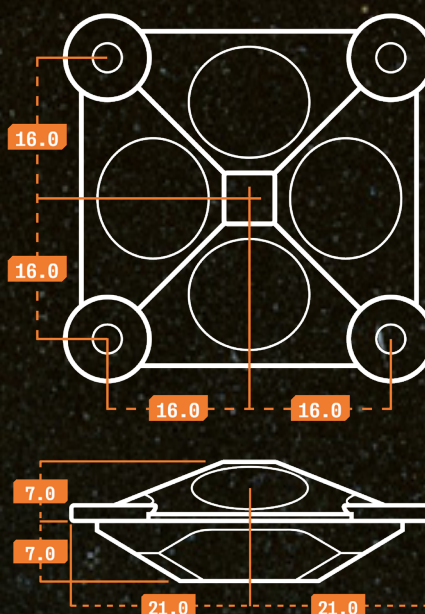
Mounting 4 x M3 bolts

The Retro-CS has been qualified at satellite-level and has flight heritage over multiple missions.

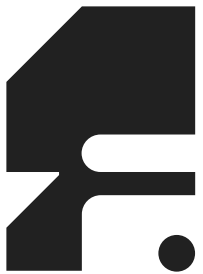
IMAGE CAPTURE



VECTOR SPECS (mm)



INITIATE CONTACT sales@foundational.space



this is foundational.