The CubeSat Terminator Tape™ is a compact, lightweight module that enables your CubeSat to comply with post-mission orbital lifetime restrictions with minimal mass, volume, footprint, cost, and risk impacts to your program.

### How To Use It

- Mount the Terminator Tape on any face of your CubeSat using four #2-56 screws. Hole interface and electrical port positioning are shown below.
- Two 4x7 cm solar cells can be mounted to the top surface using the electrical feed-throughs provided.
- Upon completion of the CubeSat’s mission, the CubeSat commands deployment of the Terminator Tape.
- The module deploys a conducting tape, which generates neutral particle drag and passive electrodynamic drag to hasten the deorbit of the CubeSat.

### Specifications

- **Mass:** 83g
- **Size:** 100mm x 83mm x 6.5mm
- **Activation:** Terminator Tape utilizes a novel shape memory alloy (SMA) actuator to initiate deployment. The SMA actuator simply requires a constant source of low power for actuation. Nominal activation signal requirement is 200-300mA @ 3V at 20°C, 1 second. Full temperature test results pending. Please contact Tethers Unlimited for additional information.

### Interface

- Hole interface: 75mm (2.953 in)
- Electrical feed-through: 3.14mm (.123 in), 37.50mm (1.476 in), 92mm (3.622 in)
- MOUNTING SCREWS: #2-56 (4x)

### Performance

The Terminator Tape enables CubeSats to comply with 25-year lifetime restrictions in orbits up to 1200 km for 1U, and 950 km for 3U.

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