High-Performance Deorbit Solutions for Small Satellites

**Tethers Unlimited, Inc.**

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**NSTT (NanoSat)**

- **Mass**: 808 g
- **Size**: 180 mm x 180 mm x 18 mm
- **Size**: 70 mm x 150 mm
- **Four #4-40 SHCS, 150mm SQ Pattern**
- **Available with NRE**
- **SMA Actuator (9V or 28V options)**
- **1.6A @ 9V for 30s / 0.9A @ 28V for 40s**

**CSTT (CubeSat)**

- **Mass**: 83 g
- **Size**: 100 mm x 83 mm x 6.5 mm
- **Size**: 20 mm x 75 mm
- **Four #2-56 SHCS, 92 x 75mm Pattern**
- **Two 40 mm x 70mm Solar Cells**
- **SMA Actuator (3V)**
- **200-300mA @ 3V for 1 sec**

**Specifications**

- **Mass**
- **Size**
- **Tape**
- **Mounting**
- **Optional Power**
- **Activation Mechanism**
- **Activation Signal**

**Operations**

- Terminator Tape is mounted on the face of the spacecraft
- Solar cells are mounted to the top surface using electrical feedthroughs provided
- Upon completion of the mission, the spacecraft commands deployment of the Terminator Tape
- The module deploys a conducting tape, which generates neutral particle drag and passive electromagnetics drag to hasten the deorbit of the spacecraft

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**Flight Units Available Now**

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**Flight Heritage!**