

SMALLSAT PERIMETER TRUSS REFLECTOR

High-gain reflector optimized for small satellite platforms

The Smallsat Perimeter Truss Reflector (SPT) leverages L3Harris' innovative perimeter truss design yet optimizes its mass to meet tight stowage requirements for smallsat platforms. Offered in diameters up to 4 meters, the high-gain reflector enables low-cost launcher solutions and is compatible with reconfigurable beams and dynamic bandwidth allocation common on modern flexible satellite (flexsat). The SPT boasts surface accuracies and radio frequency (RF) reflectivity for the most challenging Ka-band applications. The reflector is well suited for broadcast satellites, synthetic aperture radar, radiometry, internet of things and mobile satellite service applications.

The SPT provides the high gain necessary to close very challenging link budgets, reducing the need for high-power amplification of the RF signal and freeing up power for additional transponders or payloads.

Small sees n 12" D-0.016 Tc 2Tw 7 0lSm6.5 X Sm6.5 l 056 (e48 (pon2.1 -2.8.s))-1 launch op -2.tions)l S r		