

## High-Speed Satcom on the Move



Access satellite broadband without stopping to configure bulky equipment with the network-agnostic, high-throughput ThinSat 300 for comms on the move.

### Applications

- Broadcast Media
- Homeland Security
- Intelligence/Surveillance
- Disaster Recovery
- Emergency Management
- Oil and Gas Operations



ThinSat 300

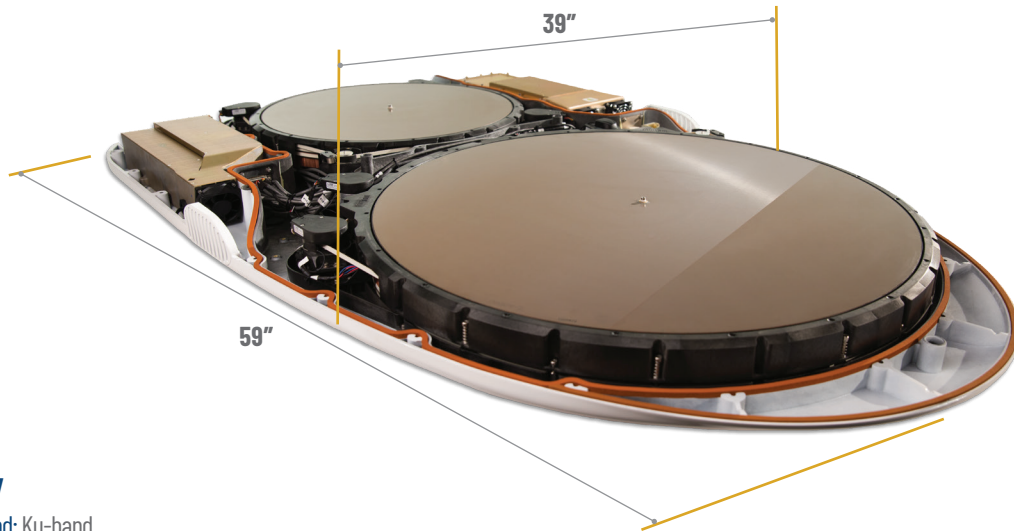
### Key Features

- Tracks satellites at any vehicle speed
- Compatible with wide-beam and HTS Ku-band services
- Seamless operation on GSO networks
- Supports broadcast-quality streaming
- High spectral efficiency (up to 2 bits/Hz)
- Mounts on standard vehicle roof racks
- Qualified for operation on Intelsat Flex networks
- Discreet, ultra-low profile at only 4.3" high

# ThinSat<sup>®</sup> | 300

Ku-band Phased Array Antenna

## TECHNICAL SPECIFICATIONS



ThinSat 300

### Compatibility

Operating Band: Ku-band

- Tx: 13.75 to 14.50 GHz

- Rx: 10.70 to 12.75 GHz

Constellations: GSO

Satellite Services: Agnostic; inquire for specific network certifications

### Tracking and Agility

Initial Acquisition: 60 seconds (cold start)

Re-acquisition After 3-minute Blockage: <1 second

Azimuth Coverage: 360° continuous

Elevation Coverage: +10° to +90° (network dependent)

Beam Agility: >300°/sec

Tracking Accuracy: <0.2°

Mobility: Maintains connectivity at highway speeds

### Throughput and Performance

Data Rates: HD backhaul capable (up to 10 Mbps)

G/T: 13 dB/K (8 dB/K at 20° elev.)

Network Efficiency: Up to 2 bits/Hz

EIRP: 51 dBW (46 dBW at 20° elev., 25 W Psat SSPB)

Polarization: Tracking linear (co-pol or orthogonal-pol)

X-pol Isolation: 30 dB typical

### BUC

Integrated: 25 W BUC

Optional: External, higher-power amplifier up to 100 W (P<sub>lin</sub>)

### Power

Input Power: 110 VAC/60 Hz or 220 VAC/50 Hz

Max Power: 600 W

### Dimensions and Installation

Dimensions: 59" L x 39" W x 4.3" H

Weight: 120 lbs.

Installation: Mounts on standard vehicle roof racks

### Environmental

Operating Temperature: -30°C to +60°C

Storage Temperature: -40°C to +70°C

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