L3HARRIS®

| | |
|---|---|
| 1 RS-422 IRIG NRZ-L PCM TLM output | |
| 1 GPS data cross strap (input to redundant AFTU) | |
| **Bi-directional Inputs/Outputs** | |
| 1 Ethernet command/status for ground/vehicle/telemetry | |
| 1 AFTU heartbeat cross strap | |
| **Power Supply** | |
| **Supply Voltage** | +28 VDC primary power |
| **Power Consumption** | < 12 W (including GPS), < 8 W (without GPS) |

| | |
|---|---|
| Physical | |
| Volume | 8.71 $in^3$ |
| **Dimensions** | 3.3 L x 2.2 W x 1.2 H in (with embedded GPS) |
| **Weight** | < 0.8 lb |
| **Reliability** | |
| **Operating Life** | 10,000 hours |
| **Storage** | 15 years |
| **Reliability** | > 0.9995 at 95% confidence |
| **Environments (Qual)** | |
| **Thermal Environment** | -55°C to +71°C (heater power required for operation below 40°C) |
| **Pyro Shock** | > 4,900 G @ 10,000 Hz |
| **Acceleration** | 100 G 300 sec ea ± axis (1800 sec total) |
| **Random Vibration** | 42 Grms, 23 min/axis (non-buffet)<br>22 Grms, 3 min/axis (buffet)<br>42 Grms, 30 min/axis (free flight) |

E EA_ E :

- Embedded military code (M-Code) GPS receiver, RCC-324 compliant
- AFTU-M RCC-319 compliant
- Dual use for navigation and range tracking
- GPS directorate approved
- 10 Hz update rate
- Mission programming & USAF-NASA CASS Enabled
- Supports missile/hypersonic/ small-lift launch
- Compatible footprint to CR-128, AFTR-925/EFTR-925 for AFTU upgrade
- High-current destruct output
- Compact size
- Low weightLCompact size

## B - -C DE ECE E

The AFTU-M includes an optional embedded GPS receiver based on the L3Harris M2