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- > 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

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 in³

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)

42 Grms, 23 min/axis (non-buffet)

22 Grms, 3 min/axis (buffet)

42 Grms, 30 min/axis (free flight)

Random Vibration

B - **-C DE** **ECE E**

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