

# Implantable 38g PTT

Microwave Telemetry, Inc.  
8835 Columbia 100 Pkwy, Suites K & L  
Columbia, MD 21045  
USA



## PHYSICAL SPECIFICATIONS

**Dimensions\*:** Length 3.10 in (7.87 cm) x Width 0.65 in (1.65 cm) x Height 1.35 in (3.43 cm)

**Weight:** ~39–46 grams (depending on configuration)

**Antenna:** Hard nylon-coated flexible stranded marine-grade stainless steel, 8.50 in (21.59 cm) long, protruding from the end of the transmitter and bent 90°

## FEATURES

- 750 hours transmission lifetime\*\*
- Programmable with up to 5 duty cycle seasons
- Optional Seasonal GT™ and temperature-based Mortality GT™
- Optional potting for pressure resistance\*\*\*
- Optional double-battery configuration\*\*\*
- Optional alternative antenna configuration

## CONSTRUCTION

Electronics are hermetically sealed in a biologically inert material; the outer construction is coated for smoothness and stability.

## SENSORS

The Implantable 38g PTT includes sensors to measure temperature, battery voltage, and activity, with each parameter relayed to Argos on 3 out of every 4 transmissions. The fourth transmission relays the status of the duty cycle.

## GENERAL ELECTRICAL SPECIFICATIONS

Operating frequency: 401.650 MHz  $\pm$ 36 kHz

Power output: 200 mW output is standard†

Output impedance: 50 ohms

Modulation tri-phase PSK:  $\pm$ 1.1 Rad  $\pm$ 0.1 Rad

Quiescent current: <3  $\mu$ A

Spurious emissions: -45 dB

Transmission interval: 60 seconds††

Supply voltage: 3.6–4 volts

Operating temperature range: -15–45°C

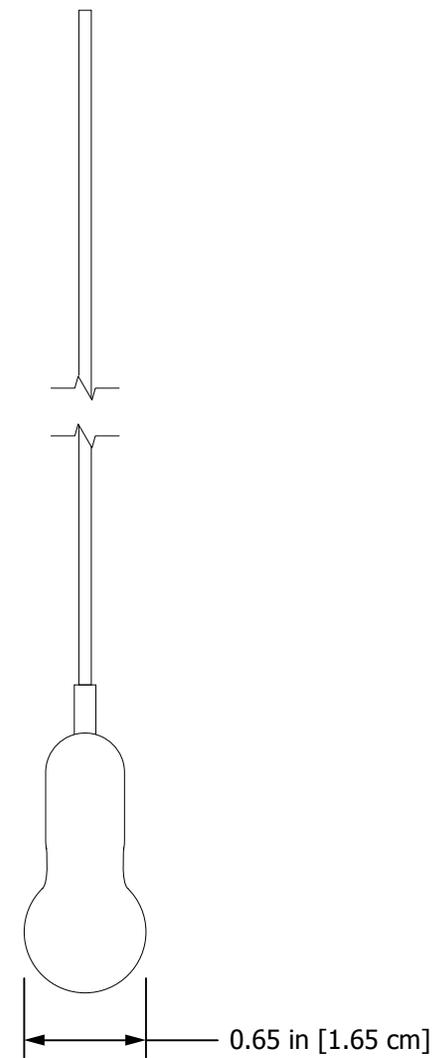
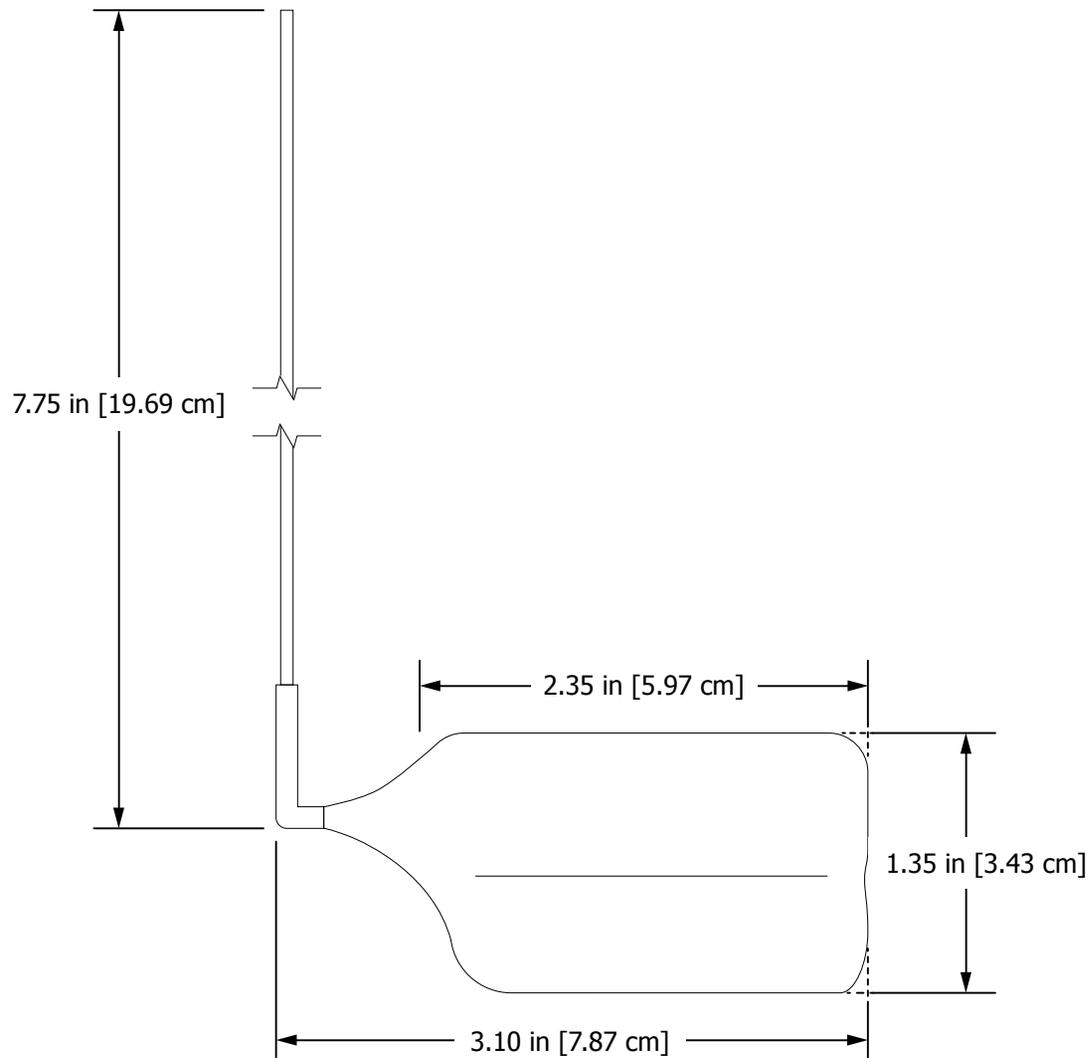
\* Dimensions may vary slightly due to the individually crafted nature of these devices.

\*\* Estimated transmission lifetime based on a 6 hours ON / 72 hours OFF duty cycle.

\*\*\* This option will increase the weight of the transmitter.

† Adjustable between 100–500 mW.

†† Can be optimized for your requirements at time of manufacture.



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