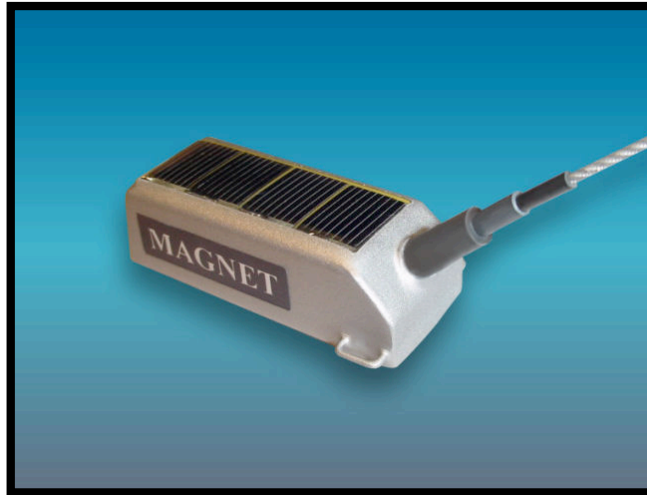


11 GRAM SOLAR BIRDBORNE PTT



11 GRAM SOLAR BIRDBORNE PTT SPECIFICATIONS (cost = \$3,050 each)

LENGTH:	1.65 in. (42 mm)
WIDTH:	0.67 in (17 mm)
HEIGHT:	0.50 in (12.7 mm)
WEIGHT:	11 grams (10 or less with super light antenna)
ANTENNA LENGTH:	7.75 inches (19.8 cm)
CONFIGURATIONS:	Backpack, Loops

OPERATIONAL DATA

POWER SOURCE:	Solar and either capacitor or lithium ion battery
OUTPUT POWER:	200 mW
TRANSMISSION FREQUENCY:	401.664 MHz
TRANSMIT CYCLE:	61-second repetition rate (adjustable)
OPERATIONAL LIFE:	Indefinite, but likely 2-5 years
OPERATING TEMPERATURE RANGE:	-20 TO 50+ Degrees Celsius
SENSOR DATA:	4 bytes (1 sensor block)
SENSORS:	Activity, Temperature, Duty Cycle Season, Voltage
DUTY CYCLES:	Transmits during daylight hours with capacitors, or 1 simple duty cycle (e.g., 8 and 23) with the lithium battery