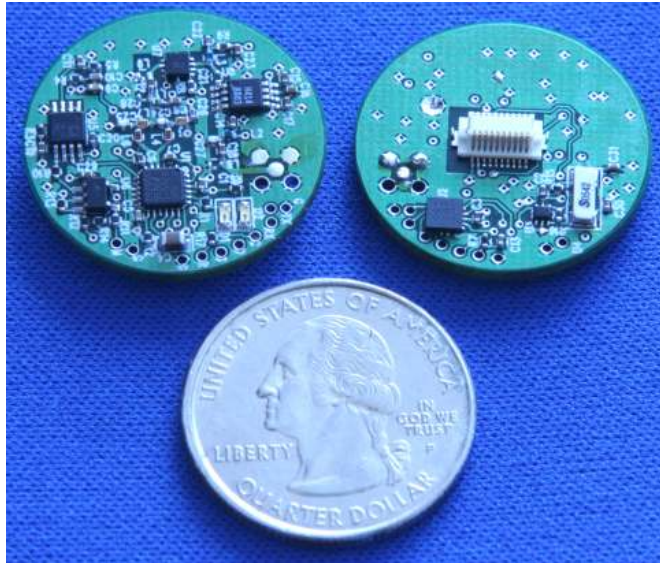




# SYNTRONICS

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## I-FUZE Micro-Transmitter Module

The Micro FM Transmitter Module typically operates in the lower S-Band channels but can be programmed to operate over a wide frequency spectrum. It is capable of surviving gun-launch environments of 20,000 G's. Performance features include:

- Contains PLL, VCO, and PA devices
- Frequency Programmable at 1MHz spacing
- 50 ohm output matched
- 10 kohm modulation input impedance
- Input Power: 3.3 VDC @ 400 ma to 5.0 VDC @ 525 ma
- Output Power: 330 mW @ 3.3 VDC to 660 mW @ 5.0 VDC
- Output VSWR: 2/1
- Lock Time: < 150 ms
- Data Rate: 500 kbps to 8 Mbps
- Frequency Ranges: 2.2 to 2.3 GHz
- Harmonics: < -40dBm
- Stability: < 0.002%
- Gun Launched to 20,000 G's
- Shock pulses to 30,000 G's
- Diameter: .9" (Other form factors available upon request)
- Weight: 3 grams
- Operating Temperature Range: -40°C to +85°C
- Storage Temperature Range: -65°C to +150°C