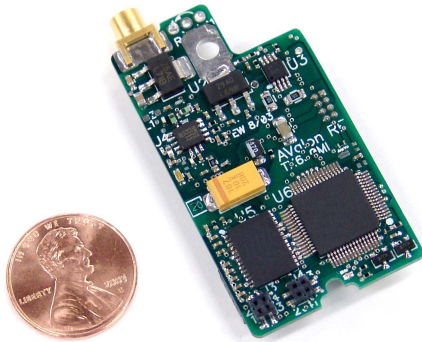## TR423-1 – 250mW Wireless Digital Link

OEM Applications:

- Wireless RS485/RS422 link
- Wireless alarm link
- Wireless telemetry link
- Wireless remote control
- Interoperability systems

DESCRIPTION

The TX423-1 is a **secure** digital wireless two-way link for OEM use. It is miniature, lightweight and low power.

Operating frequency: Any 100 MHz span from 400MHz to 960MHz. Narrow bandwidth operation on UHF frequencies enables robust communication in non-line-of-sight applications.

Smart automatic control: RF frequency synthesizing and power control.

KISS design: Only manual control is an On/Off switch (in rugged enclosure).

TR423-1 FEATURES

- Can be configured for Data or Voice
- Data: RS485/RS422 at 76Kbaud, half duplex
- Voice: One two way audio channel (w/ PTT)
- One alarm input
- Seven analog telemetry input and one output, All with 10 bit resolution and 500Hz sampling
- NIST AES Encryption
- Range urban area: >1000 feet non-line-of-sight
- Range open space: Four miles line-of-sight
- Power consumption: 3.3V/350mA (in Transmit)
  100mA (in Receive)