

MSi002 - FlexiRF™ Multi-standard Tuner

The MSi002 integrated circuit is the world's first multi-band silicon RF tuner, enabling global analogue and digital broadcast standards reception. Innovative, reconfigurable design techniques deliver system flexibility, enabling high performance receiver solutions for cost- and size-sensitive portable electronic device applications.

KEY FEATURES

Multi-band silicon RF tuner

- Receives terrestrial analog and digital broadcasts

Multi-band coverage

- LW/MW/SW (150 kHz - 30 MHz)
- VHF Band II (64 - 108 MHz)
- Band III (162 - 240 MHz)
- Band IV/V (470 - 960 MHz)
- L-Band (1450 - 1675 MHz)

High-performance, low-power architecture

- Low noise, high linearity
- Less than 100mA DVB-T current consumption

Standard control interface

- I2C

Small solution footprint

- Low external component count
- 6x6 QFN

APPLICATIONS

Notebook & Desktop PCs

Netbook PCs

Portable and kitchen radios

Portable consumer devices

KEY BENEFITS

Support for global broadcast standards

- Standards supported include:
ATSC, CMMB, DAB, DTTB, DVB-T, FM, ISDB-T, PAL

Enables OEM single-platform strategy

- Single solution using one RF tuner

Performance margin to latest broadcast standards

- Robust 'real-world' signal reception
- Performance delivered at low power consumption

Highly integrated design

- Low bill of materials, simple system integration

