

# MSi001, MSi002 FlexiRF™ Tuner

The MSioo1 and MSioo2 integrated circuits are the world's first poly-band silicon tuners that enable global analogue and digital broadcast standards reception. Innovative design techniques deliver system flexibility, enabling high performance receiver solutions for cost and size sensitive portable Consumer Electronics applications.

#### **KEY FEATURES**

#### **Poly-band RF tuners**

Covers analog & digital broadcast standards

#### 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 architecture

Low Noise, high linearity

## Adaptive FlexiRF™ architecture

Supports zero IF and low IF systems

# Low external component count

Minimal external SMDs required

## Small footprint package

6x6mm OFN

## **Industry standard control interfaces**

SPI (MSioo1) I2C (MSioo2)

## Compliant with relevant broadcast standards

E.g. MBRAI, NorDig, ARIB

## **APPLICATIONS**

**Notebook & Desktop PCs** 

**Cellular handsets** 

Portable Media Players (PMPs)

**Portable Navigation Devices** (PNDs)

Portable and Kitchen Radios

#### **KEY BENEFITS**

## Support for global broadcast standards

DVB-T, ISDB-T, DTMB

DVB-H, CMMB, T-DMB, T-MMB

AM, FM, DRM, DAB, HD

## **Enables low-cost OEM platform strategy**

Global solution using one tuner

#### Performance margin to standards

Robust 'real world' signal reception within challenging RF environments

#### Highly integrated design

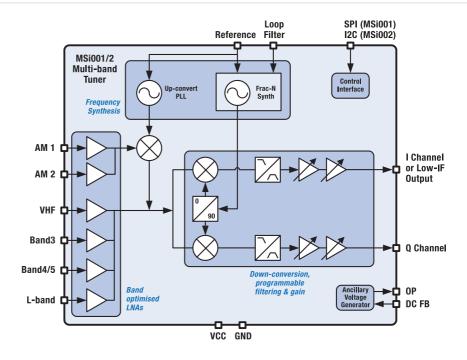
Low BoM

Simple system integration

# Low power & small footprint

Enables broadcast service reception in battery powered portable CE devices





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