MSi001, MSi002 FlexiRF™ Tuner

The MSi001 and MSi002 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 QFN

Industry standard control interfaces
SPI (MSi001)
I2C (MSi002)

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

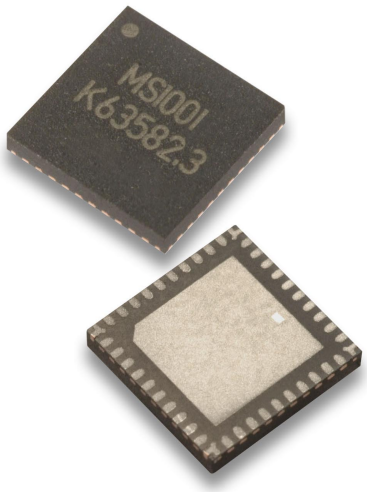
Support for global broadcast standards
DVB-T, ISDB-T, DTMB
DVB-H, CMMB, T-DMB, T-MMB
AM, FM, DRM, DAB, HD

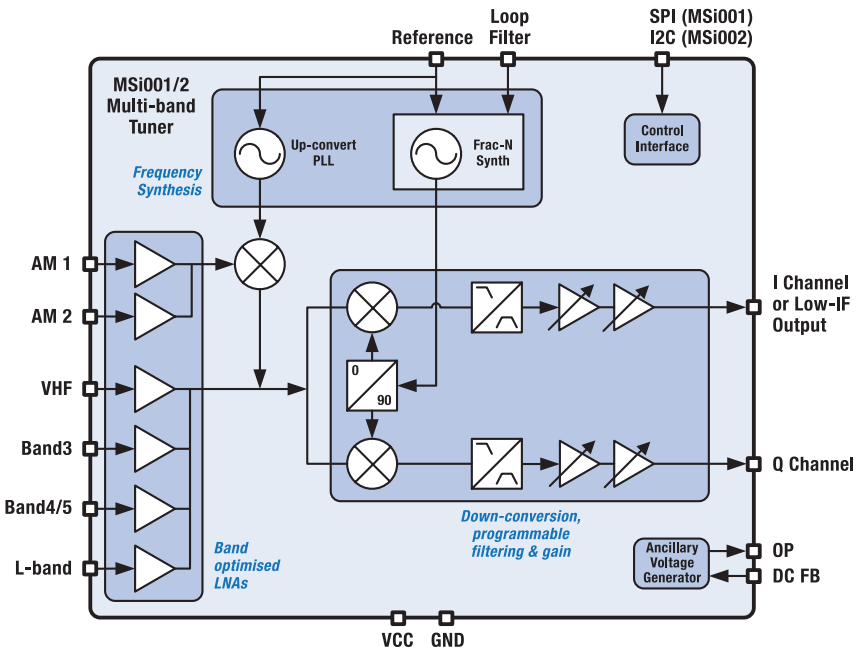
Enables low-cost OEM platform strategy
Global solution using one tuner

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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