

Tuners AM/FM Radio Tuner IC 64-Pin LQFP Tray

Manufacturer:	STMicroelectronics, Inc
Package/Case:	LQFP64
Product Type:	RF Integrated Circuits
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Unconfirmed



Images are for reference only

[Inquiry](#)**General Description**

The TDA7706 highly integrated tuner is a high-performance AM/FM tuner IC for car-radio applications, suitable for HD Radio™ reception. It contains mixers and IF amplifiers for AM, FM and WX, fully integrated VCO and PLL synthesizer, IF- processing including adaptive bandwidth control, stereo-decoder, RDS decoder, and digital interfaces for external HD Radio™ decoding on a single IC. AM/FM IBOC or DRM base band filtering is available in parallel to standard analog reception. The utilization of digital signal processing results in numerous advantages against today's tuners: very low number of external components, very small space occupation and easy application, very high selectivity due to digital filters, high customization possibility through software control, automatic alignment and a powerful DSP for custom processing.

Key Features

FM, AM and weather band reception

Fully integrated VCO for world tuning

High performance PLL for fast RDS system

Integrated AM-LNA and PIN diodes

Automatic self alignment for FM front-end pre-selection filter and image rejection

Integrated IF filters with high selectivity, dynamic range and adaptive bandwidth control

Drift-free Digital-IF signal processing with high performance

RDS demodulation with group and block synchronization

High performance stereo decoder with noise-blanker

Digital interface for HD Radio™ reception with digital audio blending

Fully programmable DSP core

I2C bus-controlled

I2S input/output digital audio interfaces

Single 5 V supply

LQFP64 package

Recommended For You

TDA7540N

STMicroelectronics, Inc

QFP

TDA7786C

STMicroelectronics, Inc

LQFP64

TDA7786

STMicroelectronics, Inc

LQFP64

TDA7541

STMicroelectronics, Inc

QFP64

TDA7707

STMicroelectronics, Inc

QFN

TDA7705

STMicroelectronics, Inc

QFP

TDA7529

STMicroelectronics, Inc

QFP

E-TDA7479D

STMicroelectronics, Inc

SOP16

TDA7708S

STMicroelectronics, Inc

QFN52

TDA7708CB

STMicroelectronics, Inc

QFN64

TDA7708CBTR

STMicroelectronics, Inc

QFP64

TDA7786TR

STMicroelectronics, Inc

LQFP-64

TDA7786MIR

STMicroelectronics, Inc

LQFP-64

TDA7540NIR

STMicroelectronics, Inc

QFP80

TDA7705IR

STMicroelectronics, Inc

QFP64