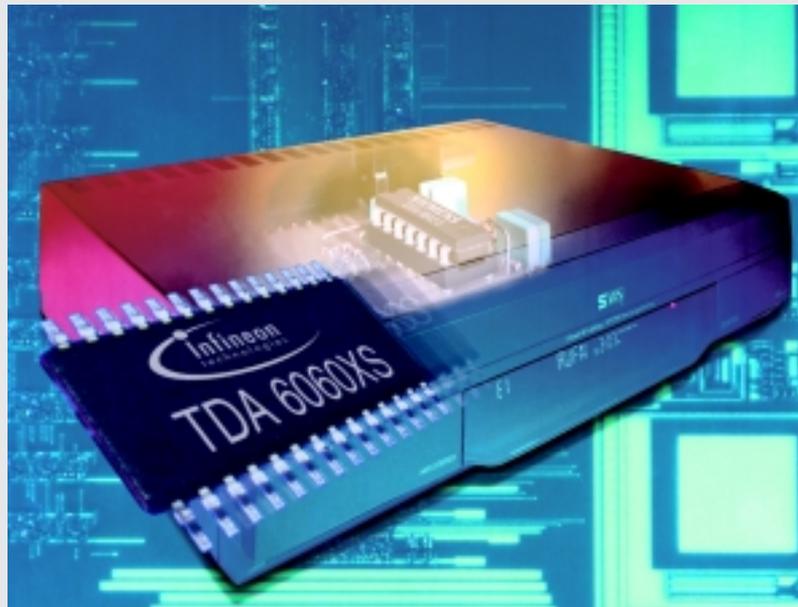


The TDA 6060 device combines a digitally programmable phase locked loop (PLL), with a multistandard video modulator and a programmable sound FM and AM modulator.



TDA 6060XS, -G

Potential Applications

- Analog set-top box
- Digital set-top box
- All modulator modules
- VCR (3 in 1 Tuner)

Features

- Rf-frequencies 30...950 MHz with adapted oscillator tank circuit
- Frequency increment 250 kHz
- Clamped video input with peak white level detection for I²C-Bus controlled gain setting
- 4 programmable sound carriers: 4.5 MHz, 5.5 MHz, 6 MHz (FM only), 6.5 MHz (FM and AM)
- I²C control of video gain, video modulation depth, picture/ sound carrier ratio and audio modulation

- Symmetrical modulator output
- Fast I²C-Bus mode possible
- 1 high current switch outputs
- 5-level-A/D converter
- Lock-in flag
- Power-down flag
- Package P-TSSOP-28-1
- 5 V supply voltage

Price Projection

- Standard price list
- For Key and Focus accounts or high volumes you may contact your regional Infineon sales partner

Development and Support Tools

- Evaluation Board TDA 6060
- I²C-Bus-Interface and DOS or Windows 3.11 control software

Features	Benefits
Multistandard	One modulator for all sets (worldwide use)
Few external components	No sound tank circuit
Switchable charge pump current of sound PLL	Fast setting of sound carrier frequency by high current (x5) charge pump mode
4 programmable chip addresses	Up to four 4 devices in one bus
Output port for sensitivity switch	No slide switch
Clipping flag	Enables automatic setting of video gain
Input for 2nd sound carrier	Stereo (NICAM) possible

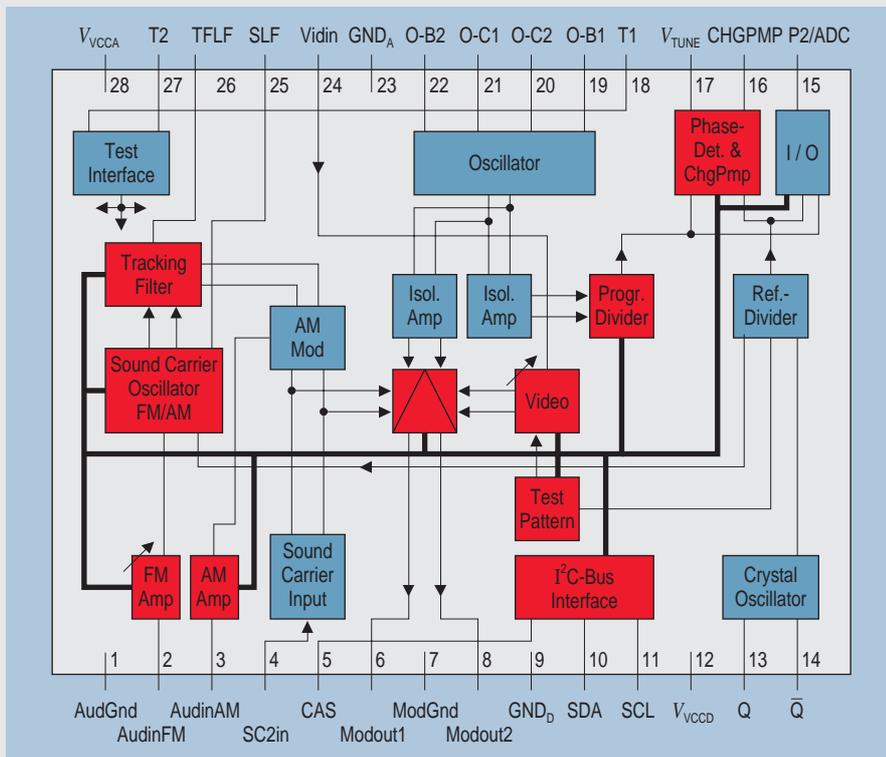
Packing

Type	Ordering Code	Package
TDA 6060XS	Q67007-A5224	P-TSSOP-28-1
TDA 6060G	Q67037-A1047	P-TSSOP-28-1

TDA 6060XS, -G
Multistandard Modulator
with PLL



Block Diagram

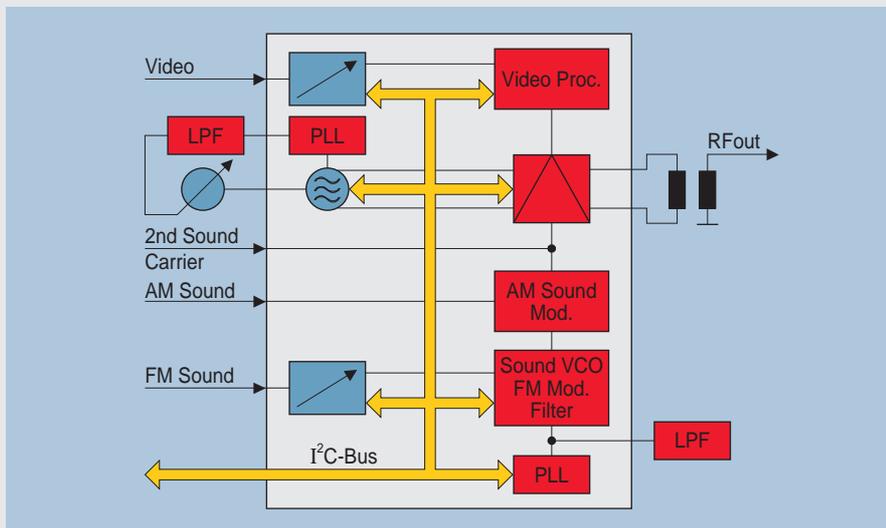


Documentation	Date of Issue/Version
Specification	5/2000
Application	5/99
Articles/Press Releases	
– Elektronik-Praxis	8/97
– Radio/Fernsehen/Elektronik	9/97
– Markt & Technik	10/97

Availability

**ES available;
Mass Production status**

Basic Functions



How to reach us:
<http://www.infineon.com>

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D-81541 München

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