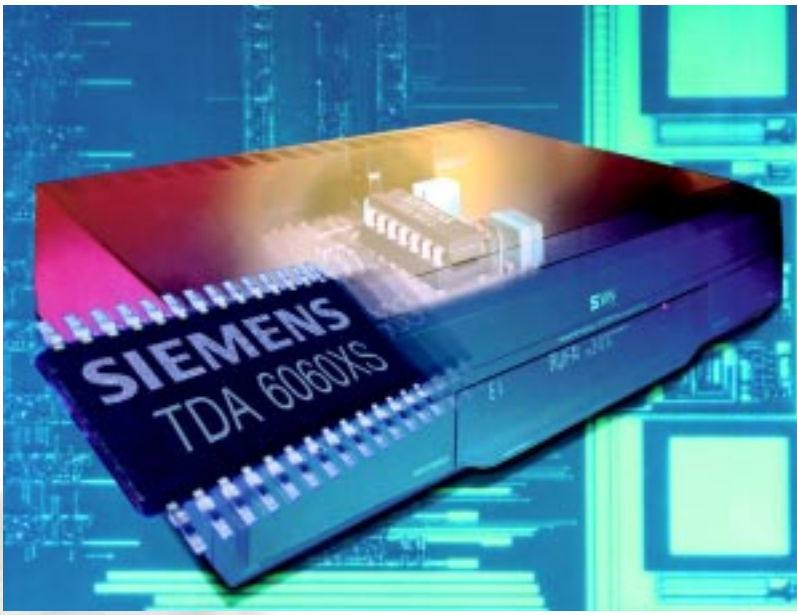
SIEMENS

Product Brief

TDA 6060XS,-G

Multistandard Modulator with PLL



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

TDA 6060XS,-G

Potential Application

- 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 I^2C-Bus controlled gain setting
- 4 programmable sound carriers: 4.5 MHz, 5.5 MHz, 6 MHz (FM only), 6.5 MHz (FM and AM)
- I^2C control of video gain, video modulation depth, picture/sound carrier ratio and audio modulation
- Symmetrical modulator output
- Fast I^2C-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 Siemens sales partner

Development and Support Tools

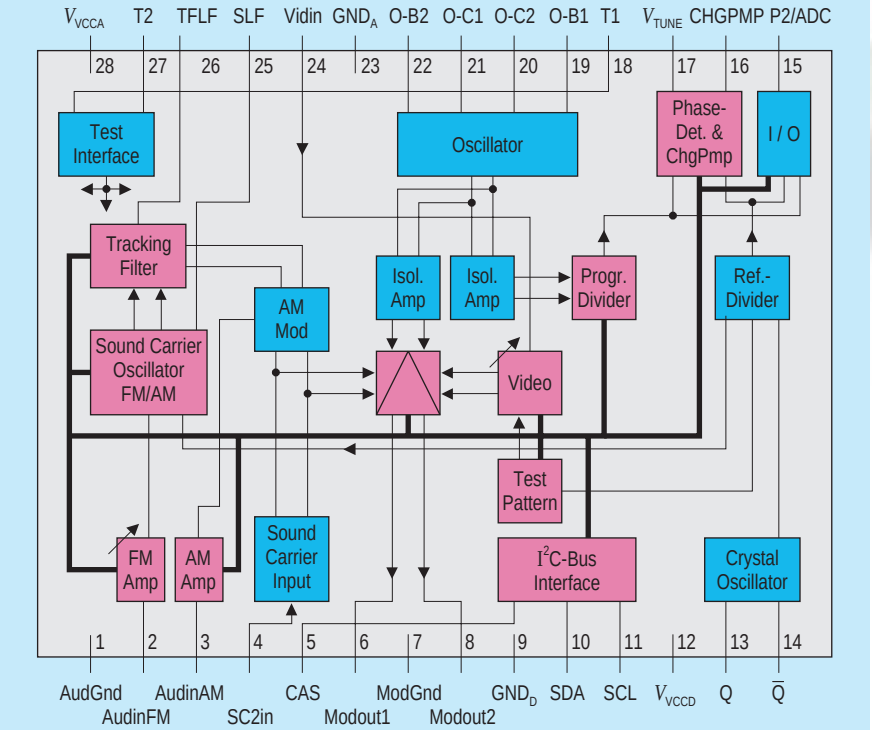
- Evaluation Board TDA 6060
- I^2C-Bus-Interface and DOS or Windows 3.11 control software

Features	Benefits
Multistandard	One modulator for all sets (worlwide 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

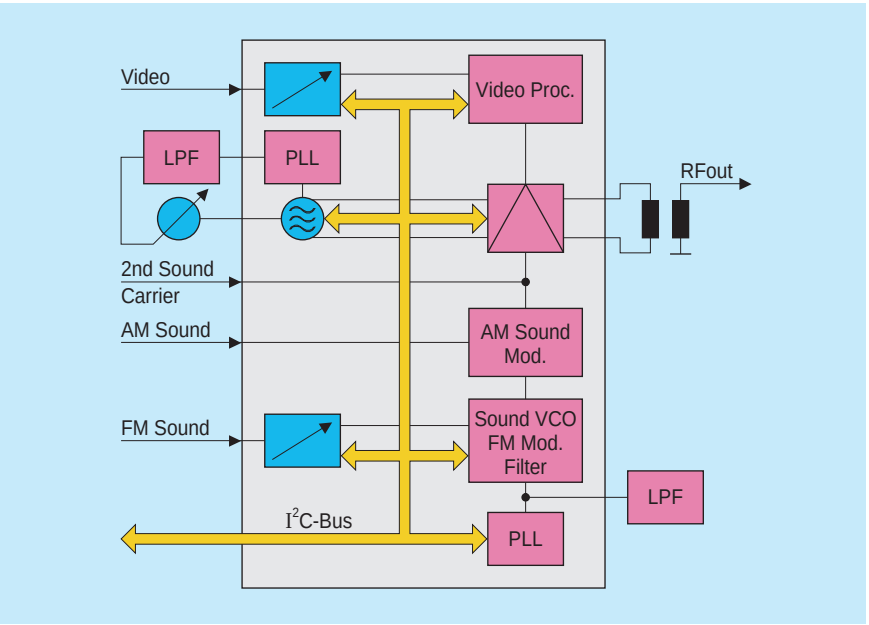
Type	Ordering Code	Package
TDA 6060XS	Q67007-A5224	P-TSSOP-28-1
TDA 6060G	Q67037-A1047	P-TSSOP-28-1

Block Diagram



Documentation	Date of Issue/Version
Specification	3/98
Application	10/98
Articles/Press Releases – Electronik-Praxis – Radio/Fernsehen/Elektronik – Markt & Technik	 8/97 9/97 10/97

Basic Functions



Availability

ES available;
Product development release 04/98

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Published by Semiconductor Group

Siemens Aktiengesellschaft

Ordering No. B168-H7384-X-X-7600
Printed in Germany
PS 11983.