

# Product Brief

## TDA 6190X TDA 6190T

### Digital TV Mixer

The TDA 6190X / TDA 6190T is a bipolar integrated circuit for amplification and down conversion of QAM or OFDM modulated signals used for Digital Video Broadcast (DVB) on cable or for terrestrial transmission.



# TDA 6190

#### Potential Application

- Digital TV (QAM, COFDM)
- Cable set-top receivers for Digital Video Broadcast (DVB)

#### Deviation

##### TDA 6190X

- Automatic Gain Control (AGC) with integrated peak AGC amplifier

##### TDA 6190T

- External Gain Control for integrated variable gain amplifier

#### Features

- Input frequency range of 30 to 50 MHz
- Output for adjustable delayed tuner AGC
- Integrated oscillator with -105 dBc phase noise @ 10 kHz offset
- Integrated low noise VCO circuitry with external varactor diode or crystal

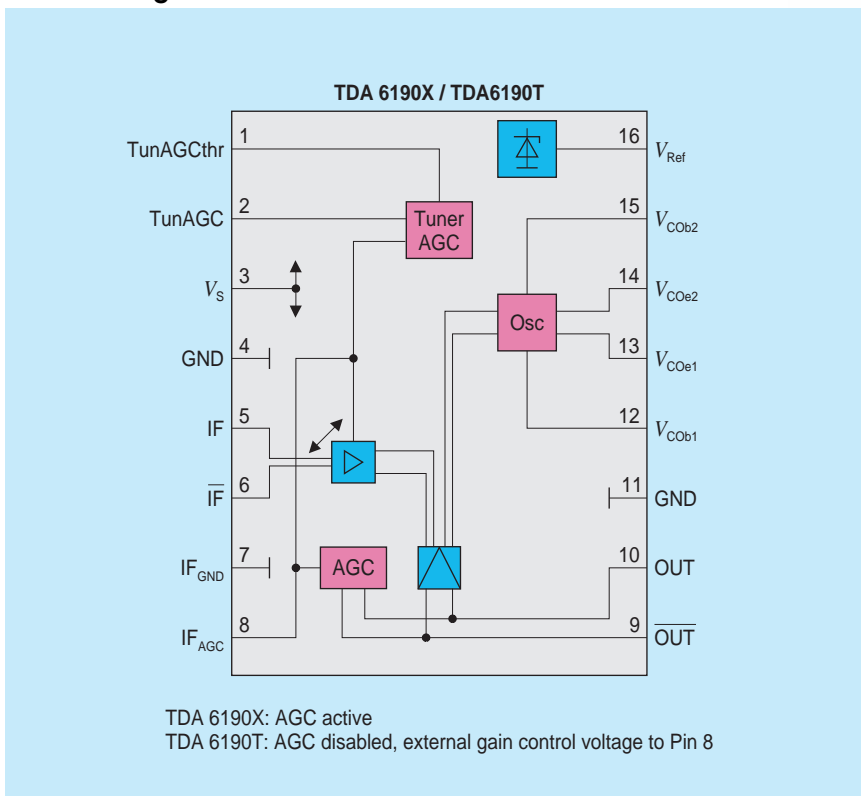
- Broadband outputs for the down converted IF signal
- Internal low noise reference voltage source
- Full ESD protection
- Package: P-DSO-16-1

Features	Benefits
Digital TV	Used for reference designs in Europe
DVB-C, DVB-T	Fulfills requirements

#### Packing

Type	Ordering Code	Package
TDA 6190X	Q67100-V2005	P-DSO-16-1
TDA 6190X	Q67106-V2005 (tape and reel)	P-DSO-16-1
TDA 6190T	Q67036-A1073 (tape and reel)	P-DSO-16-1

# Block Diagram



## Availability

**TDA 6190X**

**ES available;**

**Product development release 11/97**

**TDA 6190T**

**ES available;**

**Product development release 5/99**

## Price Projection

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

Documentation	Date of Issue/Version
Specification TDA 6190X	12/98
Specification TDA 6190T	12/98

## Development and Support Tools

- Evaluation Board TDA 6190

- |  |  |
|--|--|
| <b>(A)</b> Wien<br>☎ (+43) 1-1707-356 11   | <b>(IRL)</b> Dublin 4<br>☎ (+353) 1-603 23 42  |
| <b>(AUS)</b> Richmond (Melbourne), Vic. 3121<br>☎ (+61) 3-9420 71 11   | <b>(J)</b> Tokyo 141-0022<br>☎ (+81) 3-5449 64 11  |
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|  | <b>(VRC)</b> Beijing<br>☎ (+86) 10-6857 90 -06, -07<br>Shanghai 200003<br>☎ (+86) 21-6361 26 18/19   |
|  | <b>(ZA)</b> Halfway House 1685<br>☎ (+27) 11-652-20 00, -27 00   |

How to reach us:

<http://www.infineon.com>

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