

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

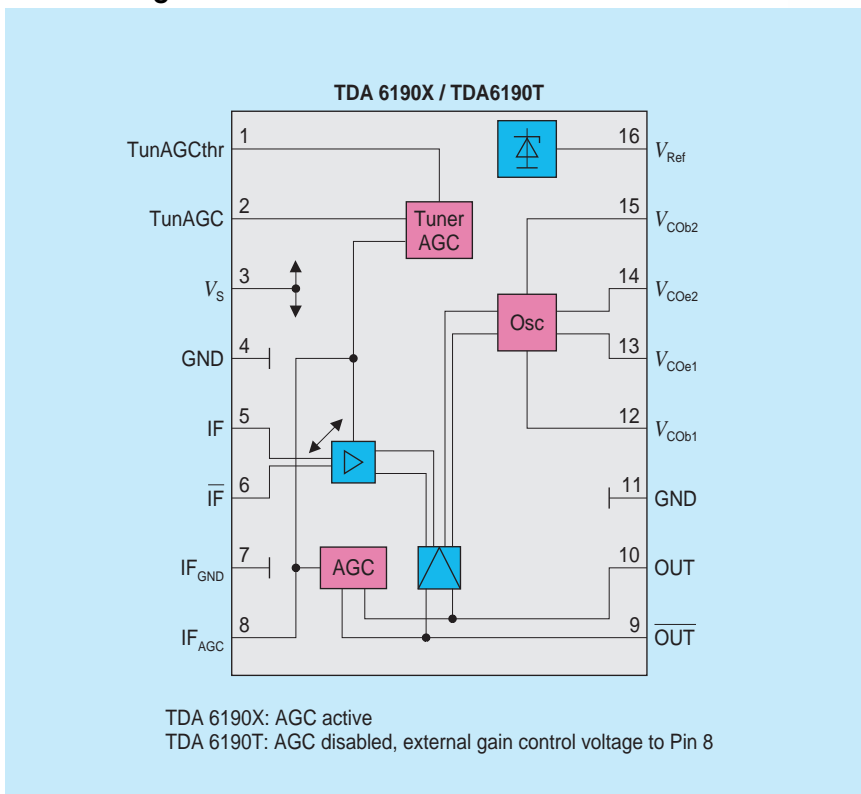
- Broadband outputs for the down converted IF signal
- Internal low noise reference voltage source
- Full ESD protection
- Package: P-DSO-16-1

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

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