

## TDA4502

### Small-Signal Subsystem IC for Color TV With Video Switch

#### Objective Specification

#### Linear Products

#### DESCRIPTION

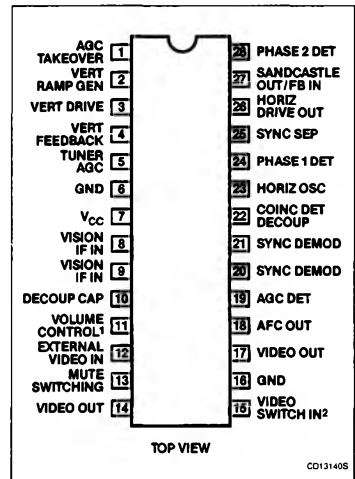
The TDA4502 is a TV subsystem circuit intended to be used in color TV receivers. It is similar to the TDA4505, with the exception that it has no sound IF circuit or audio preamplifiers. Instead, it has a video switching input circuit for switching an external video signal.

#### FEATURES

- Vision IF amplifier with synchronous demodulator
- AGC detector suited for negative modulation

- Tuner AGC
- AFC circuit with on/off switch
- Video preamplifier
- Video switch for an external video signal
- Horizontal synchronization circuit with two control loops
- Vertical synchronization (divider system) and sawtooth generation
- Sandcastle pulse generation

#### PIN CONFIGURATION



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## BLOCK DIAGRAM

