

SAS560S SAS570S

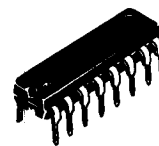
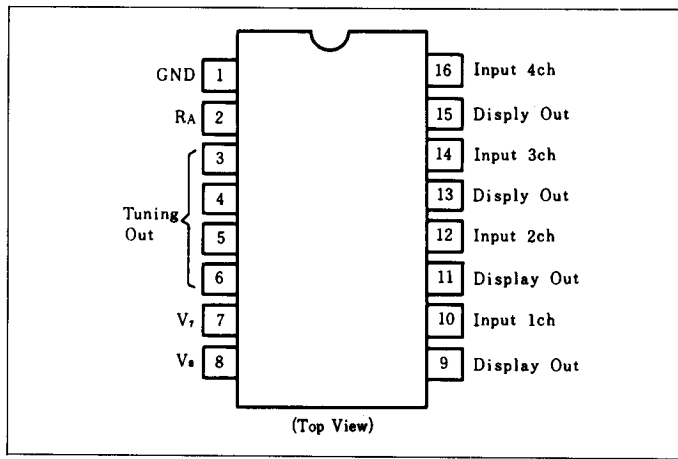
SENSOR FOR ELECTRONIC TUNING

Hitachi Integrated Circuits SAS560S and SAS570S are especially well suited for an application to radio and TV sets to perform touch-controlled switching functions.

■ FEATURES

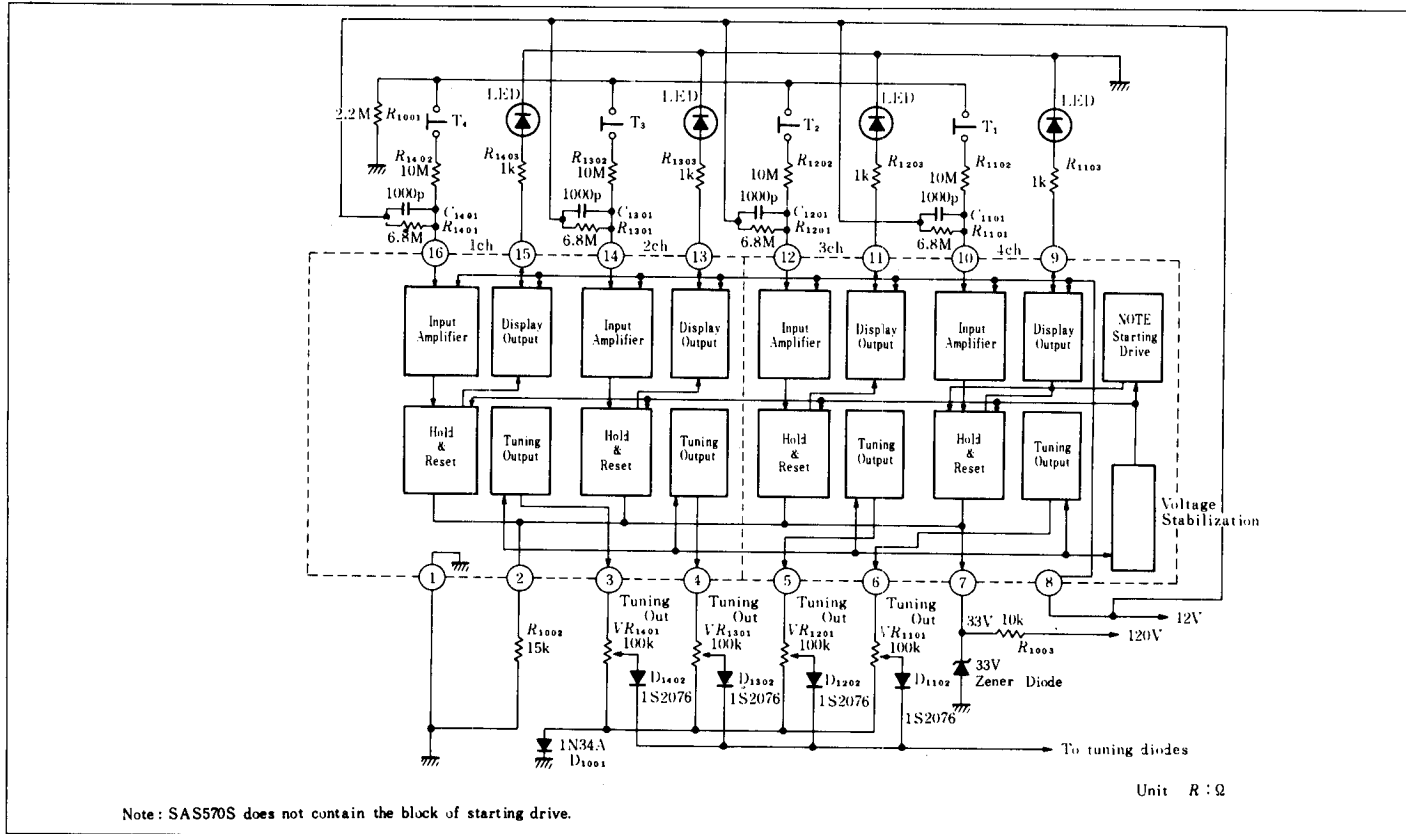
- No limitation concerning polarity of two supply voltages. (pin 7 and 8)
- Low power dissipation: 130mW typical.
- High input sensitivity: 100nA typical.
- Low temperature-drift for the tuning voltage: $0.3V/^{\circ}C$ typical.

■ PIN ARRANGEMENT



(DP-16)

■ FUNCTIONAL BLOCK DIAGRAM (SAS560S)



HA1190/HA1194 are also touch-controlled electronic switches. Functions are very similar to those of SAS570S/SAS560S although certain differences exist.

■ Differences

1. Typical external parts are changed; i.e., $R_{1002} = 24k\Omega$.
Circuit schematic is not changed.
2. Electrical characteristic is improved; i.e.
After simultaneously actuating several keys, only one channel remains on.
Other characteristics are not changed.
Package outline, Pin arrangement, etc. are identical with SAS560S/SAS570S.

■ CIRCUIT SCHEMATIC AND TYPICAL EXTERNAL COMPONENTS SAS570S

