

## STK430 SERIES

thick film hybrid IC

CIRCUIT DRAWING  
No.6006~6008

2-CHANNEL 5 TO 25WMIN AF POWER  
AMP.



### Features

- © IMST, 2 Channels by 1 Power Supply.
- Small pop noise because of direct coupling emitter feedbacked.
- STK 433-105, 435-105, 436-105 and 441-105 are for the use of  $T_C=105^{\circ}\text{C}$ .
- AF output power STK430III: 5Wmin., STK 433: 5Wmin., STK435: 7Wmin., STK436: 10Wmin., STK437: 10Wmin., STK439: 15W min., STK441: 200Wmin., STK443: 25Wmin.
- Package Number: 4009 (STK433, 435, 436) 4010 (STK437, 439, 441, 443) 4031 (STK430III)

## STK561F,563A,563F,583F

thick film hybrid IC

CIRCUIT DRAWING  
No.6009

TV VOLTAGE REGULATOR & AUDIO  
OUTPUT AMP.



### Use

- NTSC system color TV sets

### Functions

- Line operate series regulator
- Line operate audio output amp.

### Features

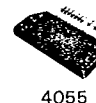
- Series regulator and audio output amp. are incorporated in a single package.
- Capable of being mounted easily due to single-end package
- Excellent heat radiation and thermal stability due to IMST substrate (Al substrate)
- IC substrate can be mounted direct to radiator fin.
- Regulator output voltage and audio output middle point voltage are set with high accuracy by mechanical functional trimming.
- DC output voltage (STK561F: 115V, STK563A: 130V, STK563F: 135V, STK583F: 135V) is available by functional trimming.
- Low power dissipation, low distortion, high gain due to pure complementary SEPP configuration of audio section.

## STK571C,571F

thick film hybrid IC

CIRCUIT DRAWING  
No.6010

TV VOLTAGE REGULATOR & HIGH-  
VOLTAGE VERTICAL DEFLECTION OUTPUT



### Use

- NTSC system color TV sets

### Functions

- Line operate series regulator
- Vertical deflection output amp.

### Features

- Excellent heat radiation and thermal stability due to IMST substrate (Al substrate)
- Electrically insulated IMST substrate can be mounted direct to radiator fin easily.
- Regulator output voltage is set with high accuracy by mechanical functional trimming.
- DC output voltage (STK571C: 112V, STK571F: 115V) is available by functional trimming.
- Capable of being mounted easily due to single-end package
- Capable of being used in conjunction with deflection signal processor IC
- High breakdown voltage
- Wide operating voltage range from line operate to Low + B