

**STK6972C**

thick film hybrid IC

CIRCUIT DRAWING  
No.6049

DC MOTOR DRIVER (2-CHANNELS)



4054

**Use**

- DC motor for VTR, CD, etc.

**Features**

- Linear operation, bidirectional drive control
- Linear output proportional to input voltage
- Brake workable with input open
- Protection against simultaneous application of forward/reverse drive input
- 2-channel version of STK6962

**STK6982**

thick film hybrid IC

CIRCUIT DRAWING  
No.6050

4-PHASE STEPPING MOTOR DRIVER



4045

**Applications**

- Paper feed motor driver and carriage motor driver of various types of printer such as serial printer, line printer.
- Pen driver of X-Y plotter.
- Industrial robot.

**Features**

- Chopper operation capable of providing good rising characteristic of motor current and small heat dissipation due to constant current.
- Chopper frequency, caused by self excitation, is determined by R, L of motor. (Separate excitation also available)
- Unipolar drive makes it possible to drive any stepping motor of hybrid type, PM type, VR type.
- PAUSE pin can be used to control pause action.

**STK7561 SERIES**

thick film hybrid IC

CIRCUIT DRAWING  
No.6054CHOPPER + CHOPPER PARALLEL  
2-OUTPUT VOLTAGE REGULATOR

4049(STK7561A) 4050(STK7561F,G,J)

**Use**

- Serial printer, line printer, office automation equipment
- Floppy disk unit, portable VTR

**Features**

- |   |                                       |                            |
|---|---------------------------------------|----------------------------|
| ■ | STK7561A                              | STK7561F                   |
|   | Output 1: 5.0±0.1V (AV2.0A, PK2.4A)   | 5.0±0.1V (AV3.0A, PK3.6A)  |
|   | Output 2: 12.0±0.2V (AV2.0A, PK4.0A)  | 12.0±0.2V (AV3.0A, PK6.0A) |
|   | STK7561G                              | STK7561J                   |
|   | Output 1: 5.0±0.1V (AV3.0A, PK3.6A)   | 5.0±0.1V (AV3.0A, PK6.0A)  |
|   | Output 2: 12.0±0.2A (AV5.0A, PK10.0A) | 12.0±0.2V (AV2.0A, PK4.0A) |
- 2 outputs for microcomputer power supply (5V) and motor drive power supply (12V) and capable of delivering 2 regulated outputs from 1 rectifier
  - Chopper type permitting high efficiency, and fixed oscillation type oscillator common to 2 outputs causing no beat trouble
  - Independent overcurrent protectors for 2 outputs (Fold-back characteristic)
  - External signal-used output cutoff function (Output 2)
  - High-precision setting of output voltage eliminating the need to use a variable resistor for adjustment
  - One input/output GND line making it possible for other negative voltage (-5V, -12V, etc.) to be used jointly
  - Output voltage, output current constituting a series