

## STK770,772B,780

thick film hybrid IC

CIRCUIT DRAWING  
No.6011

### CHOPPER TYPE SWITCHING REGULATOR



4041(STK770,772B),4043(STK780)

#### Features

- Sanyo's original IMST (Insulated Metal Substrate Technology) substrate-used chopper regulator power IC containing oscillator, PWM circuit, power switch.
- More advantageous in the following points as compared with series regulator.
  1. High efficiency
  2. Substantially reduced size, weight of power transformer, heat sink
  3. Wide input voltage range
- Especially suited for use in personal computer, copier, facsimile applications due to maximum

output current of 2A (average) and 4A (peak): STK770 maximum output current of 3.2A (average) and 4.2A (peak): STK772B and maximum output current of 4A (average) and 8A (peak): STK780.

- Meets 5 to 24V voltage requirements because output voltage can be set externally. Capable of varying continuously from 5 to 24V with variable resistor.
- Capable of cutting off output by external signal.
- Contains transistor for overcurrent protector (foldback characteristics), permitting any protection level to be set externally.

## STK795

thick film hybrid IC

CIRCUIT DRAWING  
No.6012

### CHOPPER TYPE SWITCHING REGULATOR



4063

#### Features

- Sanyo's original IMST (Insulated Metal Substrate Technology) substrate-used self oscillation type chopper regulator power IC
- The STK795, being a 5V chopper IC, is more advantageous in the following points as compared with series regulator (dropper type) IC's.
  1. Possible to provide a 5V output power supply circuit with high efficiency
  2. Since the input voltage range is wide, no more than one rectifying/smoothing circuit is required to provide a multi-output power supply circuit which also delivers 12V or 24V output.
- Functional trimming is used to set 5V output with high accuracy.
- Cutoff function to cut off output voltage by external signal
- Contains a transistor for overcurrent protector (fold-back characteristic) and possible to set the protection level externally.

## STK2110

thick film hybrid IC(monolithic-hybrid)

CIRCUIT DRAWING  
No.6013

### FM NOISE CANCELER FOR CAR RADIO



4022A

#### Features

- Thick film hybrid IC with monolithic linear IC LA2110 contained.
- New product based on SC (Substrate Carrier) System which has been enhanced a step further from IMST (Insulated Metal Substrate Technology) of our own originality.
- Capable of effectively rejecting external pulse noise such as engine noise.
- Used in conjunction with pilot signal canceler-provided PLL FM multi stereo demodulator STK 3375, etc.
- With pilot signal compensator provided: By using in conjunction with pilot signal canceler-provided PLL FM multi stereo demodulator, adverse effects caused by pilot signal can be

compensated.

- Good space factor due to single end package containing all functions of signal delay circuit, high pass filter, memory circuit, etc. (12-pin SEP).
- Low distortion: 0.02%/300mV.
- With input variable type noise AGC system provided, wide dynamic range is available, and pulse noise can be detected satisfactorily even in weak electric field, and pulse noise can be rejected effectively without worsening distortion.
- Pulse noise detect level can be changed with external resistor.

