LM8460

p-mos LSI

CIRCUIT DRAWING No.5016

ALARM CLOCK (CLOCK RADIO, ETC.)

3025B

Functions

- Radio control circuit-contained clock with alarm
- Time setting with stem switch or UP/DOWN button
- Stepwise alarm with snooze
- 5-step dimmer control
- Sleep timer

Features

- One-touch control function (Easy setting)
  - Time setting with stem switch (or UP/DOWN button)
  - One touch permits radio to be turned ON/OFF with logic control.
  - 5-step dimmer control with one button
- Stepwise alarm function
  - 6-step alarm tone output (stepwise alarm)
  - On-chip control circuit to select radio sound or stepwise alarm tone or radio sound + stepwise alarm tone as alarm tone
  - 10-minute snooze function (2-step snooze in the radio sound + stepwise alarm tone mode)
- Power failure backup function
  - On-chip CR oscillator for timekeeping in the backup mode
  - Key entry inhibiting function to prevent misoperation in the backup mode (except OFF input)
- LED or FLT direct drive capability

LM8471

p-mos LSI

CIRCUIT DRAWING No.5017

RHYTHM PATTERN GENERATOR FOR ELECTRONIC ORGAN

3012A

Features

- Selectable rhythm: 10.
- Capability of 2 kinds of variation to each rhythm, of automatically playing of this variation.
- Steps: Simple triple time line: 48 steps.
  Simple quadruple time line: 64 steps.
- Oscillator included.

LM8523

p-mos LSI

CIRCUIT DRAWING No.5020

COUNTER FOR TAPE RECORDER

3014A

Function

- Count and its display, stopwatch.

Features

- 1-chip P-channel E/D MOS LSI.
- Possible to direct drive LED (more than 5mA, cathode common).
- Possible to direct drive fluorescent display tube (ON voltage: less than 16V): LM8523H.
- Wide operating voltage range: -8.5 to -16V. 50Hz or 60Hz available for reference frequency.
- Blanking pin for blanking display (possible to connect in parallel with other LSI of P-channel open drain output type).
- TAPEPULSE input part contains 5μ sec. chattering preventive circuit.
- Stopwatch counter countable up to 59 minutes 59 seconds is built in.
- The moment counter counts down to 0, control pulse is outputted (counter zero stop function).
- When memory pin is set at 'H', counter content at this moment is memorized, and when counter content coincides with memory, control pulse is outputted (memory stop function).
- Predivider to divide tape pulse into 1/5 or 1/1 is built in.