LC7660   c-mos IC | CIRCUIT DRAWING No.4098

ANALOG CLOCK STEP MOTOR DRIVER

3001A

Function
- **Crystal oscillator**
  - Oscillation frequency: 32.768kHz
- **OUT1, OUT2 outputs**
  - Alternate OUT1, OUT2 outputs with a cycle of 2 seconds
  - Pulse width: 31.25ms
- **Alarm output at ALO pin**
  - Fundamental frequency: 2048Hz
  - Tone: Alarm tone (sound pressure) is variable in 4 steps.
  - Capable of driving NPN transistor
- **Alarm control input**
  - Alarm input pin: ALIN pin (with pull-down resistor built in)
    - By applying V_{DD} to ALIN pin after leaving ALIN pin open or at V_{SS} for 3 seconds or more, alarm signal is outputted.
    - Alarm output time: 64 seconds
- **Snooze function**
  - By applying V_{DD} to ALIN pin within 2 seconds after setting ALIN pin open or to V_{SS}, snooze mode is entered.
  - Snooze time: 256 seconds
- **Test function**
  By applying approximately $1/2V_{DD}$ to ALIN pin when V_{DD} = 1.5V, 2048Hz signal is outputted continuously at ALO pin.

LC7662   c-mos IC | CIRCUIT DRAWING No.4099

ANALOG CLOCK STEP MOTOR DRIVER

3001A

Function
- **Crystal oscillator**
  - Oscillation frequency: 32.768kHz
- **OUT1, OUT2 outputs**
  - Alternate OUT1, OUT2 outputs with a cycle of 2 seconds
  - Pulse width: 31.25ms
- **Alarm output at ALO pin**
  - Fundamental frequency: 2048Hz
  - Tone: Alarm tone (sound pressure) is variable in 3 steps.
  - Capable of driving NPN transistor
- **Alarm control input**
  - Alarm input pin: $\overline{ALIN}$ pin (with pull-up resistor built in)
    - By applying V_{SS} to $\overline{ALIN}$ pin after leaving ALIN pin open or at V_{DD} for 3 seconds or more, alarm signal is outputted.
    - Alarm output time: 128 seconds
- **Snooze function**
  - By applying V_{SS} to $\overline{ALIN}$ pin within 2 seconds after setting $\overline{ALIN}$ pin open or to V_{DD}, snooze mode is entered.
  - Snooze time: 256 seconds
- **Test function**
  By applying approximately $1/2V_{DD}$ to $\overline{ALIN}$ pin when V_{DD} = 1.5V, 2048Hz signal is outputted continuously at ALO pin.

LC7665   c-mos IC | CIRCUIT DRAWING No.4100

ANALOG CLOCK STEP MOTOR DRIVER

3001A

Functions
- **Crystal oscillator**
  - Oscillation frequency: 32.768kHz
- **OUT1, OUT2 outputs**
  - Alternate OUT1, OUT2 outputs with a cycle of 2 seconds
  - Pulse width: 31.25ms
- **Alarm output at ALO pin**
  - Fundamental frequency: 2048Hz
  - Capable of driving NPN transistor
- **Alarm control input**
  - Alarm input pin: $\overline{ALIN}$ pin (with pull-up resistor built in)
  - By applying V_{SS} to $\overline{ALIN}$ pin, alarm signal is outputted.
- **Test function**
  By applying approximately $1/2V_{DD}$ to $\overline{ALIN}$ pin when V_{DD} = 1.5V, 2048Hz signal is outputted continuously at ALO pin.