ANALOG CLOCK STEP MOTOR DRIVER

3001A

Functions and Features

- Oscillation frequency: 4194304Hz
- Alarm with snooze and 3-step sound pressure change
 - (1) Snooze time: 256 seconds
 - (2) Sound pressure change time: 1 to 8 seconds

Weak

9 to 16 seconds

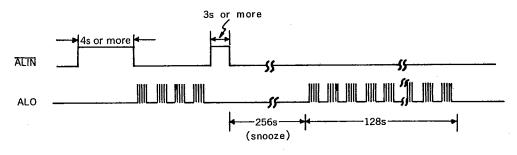
Medium

17 to 128 seconds

Strong

(3) Alarm output time: 128 seconds after applying VSS to ALIN

(4) Alarm output signal and control

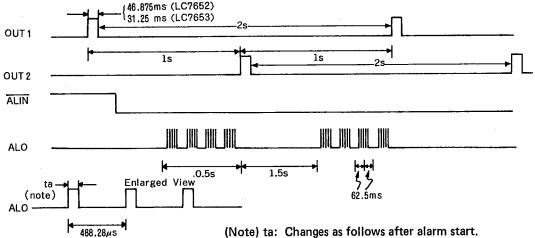


(Note) By applying VSS to ALIN after applying VDD to ALIN for 4 seconds or more, alarm signal is outputted.

By applying VSS to ALIN after applying VDD to ALIN for 3 seconds or less, snooze state occurs.

- (5) Alarm output waveform
- (6) Test

By applying approximately $1/2V_{DD}$ to \overline{ALIN} when V_{DD} =1.5V, 2048Hz signal appears continuously at ALO.



(140te) tg. Onanges as follows after diantificant.			
Time after alarm start	1~8s	9~16s	17~128s
ta (μs)	31	61	244
duty (%)	6.25	12.5	50