



<b>LC7500,7500M</b>	c-mos IC	CIRCUIT DRAWING No.4068
<b>ELECTRONIC ATTENUATION CONTROLLER</b>		 3006A(LC7500) 3036B(LC7500M)

**Use**

For electronic volume system with the use of electronic attenuator IC LA2600.

**Functions**

- 5 bit up/down counter installed.
- The upper 4 bits of 5 bit up/down counter are presettable. Then LSB is preset to level 'L'.
- Supplies D-A converted output to LA2600 connecting a ladder resistance network to 5 bit output.
- An up/down counter operates as follows:
  - (a) Manual up/down  
Contents of 5 bit up/down counter increase (or decrease) one step to every pushing on an up (or down) switch.
  - (b) Auto up/down
    - Contents of 5 bit up/down counter increase (or decrease) at 5Hz rate when an up (or down) switch being pushed on over about 0.6 seconds.
    - Contents of 5 bit up/down counter don't vary when both up and down switch being pushed.
    - If the 5 bit counter is '31' (or '0'), contents of the counter don't vary even when the up (or down) switch being pushed.
    - Last Stop Memory  
The contents of the 5 bit up/down counter don't vary if up or down switch being pushed at back-up period.
    - Clock oscillator operates only when up or down switch is pushed on.
    - The LC7500M is a miniflat package version of the LC7500.

<b>LC7510,7512</b>	c-mos LSI	CIRCUIT DRAWING No.4081
<b>AUTOMATIC MUSIC SELECTING SYSTEM FOR TAPE RECORDER</b>		 3007A

**Features**

- Unrecorded area sense unit and 3-musical piece cuing logic unit are built in.
- Unrecorded area sense time and recorded area sense time are set independently by external CR, so that stable operation is made possible against pulse noise in unrecorded area and sound cut in recorded area.
- For programming the number of musical pieces to be cued, 2 methods are available as follows:
  - Direct set (Using 3 switches)
  - Serial set (Using 1 switch)
- For drive output of plunger which locks FF (or REW) lever while cuing, 2 types are available as follows. These are capable of meeting 2 kinds of deck mechanism.
  - Plunger on while cuing
  - Plunger off while cuing
- Initialization circuit to be used at the time of application of power supply is built in.\*
  - For LC7510, no musical piece programmed mode is initialized.
  - For LC7512, preceding or following 1 musical piece programmed mode is initialized.
- For LC7512, it is possible to automatically re-program preceding or following 1 musical piece immediately after cuing. Therefore, preceding or following 1 musical piece can be cued only by operating FF (or REW) lever.
- Input sensitivity is 250mV (typ.)
- It is possible to direct drive LED (red or green) for displaying the number of programmed musical pieces.
- Wide operating supply voltage range (V<sub>DD</sub>=4.0 to 11.0V)

