

# LC7010

c-mos LSI

CIRCUIT DRAWING  
No.4045

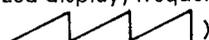
## CONTROLLER FOR PLL FREQUENCY SYNTHESIZER



3025B

The LC7010 is a controller for direct PLL IC LM7000. It can be used to form a PLL frequency synthesizer with clock for car use.

### Features

- Applicable in the U.S. and Europe
- LED-used dynamic display (Cathode common)
- Clock function
  - 24-hour system (Europe), 12-hour system (U.S.)
  - Two selections of display mode: Clock prioritized display, frequency prioritized display
- Channel selection method (Sawtooth wave mode )
  - MANUAL (Up/down) . . . . . 1 channel/push. Pushing for 500msec. or more causes the channel display to go up/down at a 60msec/channel rate.
  - SCAN (Up) . . . . . 5-second reception at a time
  - SEEK (Up) . . . . . Received channel hold
  - SKSEEK, SK SCAN (Up) . . . . . SCAN/SEEK of SK channel only
  - PRESET . . . . . 6-channel preset capability for each of FM/(MW+LW)
- 4-accessory control capability (With input, display, output pin)

### Receiving Frequency

Area	Band	Receiving Frequency Range	Step	Reference Frequency	Intermediate Frequency
USA	FM	87.5 to 108.1MHz	200kHz	100kHz	10.7MHz
	MW	520 to 1620kHz	10kHz	10kHz	450kHz
Europe	FM	87.5 to 108.0MHz	50kHz	50kHz	10.7MHz
	MW1	522 to 1611kHz	9kHz	9kHz	450kHz
	MW2	520 to 1620kHz	10kHz	10kHz	450kHz
	LW	153 to 218kHz	1kHz	1kHz	450kHz

# LC7060

c-mos LSI

CIRCUIT DRAWING  
No.4047

## GRAPHIC EQUALIZER CONTROLLER



3025B

### Use

- Controller of graphic equalizer electronic volume controller LSI LC7520, 7522/LCD driver LC7560/FL driver LC7565.

### Functions

- 7 bands, 2dB/step, ±10dB (±12dB) variable [( ): LC7522, 7565-combined use].
- Max. 8 memories (User option 5 modes, Maker option 3 modes) + Last channel memory.
- Possible to control function switch (5 positions) and electronic volume controller.
- 2 control lines for graphic equalizer electronic volume controller and display driver LSI.
- Buzzer sound is generated when a key is operated.
- On-chip remote control reception program.

### Features

- Any combination of graphic equalizer electronic volume controller LSI LC7520, 7522, 7523 and display driver LSI LC7560, 7565 may be used. (Port-selectable)
- FLAT function to permit the FLAT mode to be entered with one touch.
- Reverse function to permit the frequency characteristic to be reversed with respect to 0dB with one touch.
- Tuner band select and SCAN output.
- MUTE and MUTE output.
- Backup operation available.