

一 華 半 導 體 有 限 公 司  
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1-KEY-1-NOTE

8 首歌，步進音樂 IC

MELODY

M84B



## FEATURES 功能敘述

- Playing mode :
  - SEL : Tunes select.
  - DEMO : To demo the song selected.
  - TG : One-key-one-note trigger.
  - MAN : Piano / mandolin exchange.

| M84B-1              | M84B-2           | M84B-3 |
|---------------------|------------------|--------|
| 1. OLD MAN          | LOVE STORY       | 女人是老虎  |
| 2. DID YOU EVER     | LOVE ME TENDER   | 東方之珠   |
| 3. A LITTLE LAMB    | HOLIDAYS         | 濤聲依舊   |
| 4. LITTLE STAR      | FOR ALICE        | 說句心裡話  |
| 5. LONDON BRIDGE    | OVER THE RAINBOW | 繡夫之愛   |
| 6. CLOSE ENCOUNTERS | YESTERDAY        | 小放牛    |
| 7. HAPPY BIRTHDAY   | RED RIVER VALLEY | 把根留住   |
| 8. OH! MY DARLING   | YOU ARE SUNSHINE | 青春舞曲   |

## APPLICATION 產品應用

- Toys, Arcade game.

## ELECTRICAL CHARACTERISTICS 電氣規格

(@V<sub>DD</sub>=3V unless otherwise specified)

| Characteristics            | Sym.             | Min. | Typ. | Max. | Unit | REMARKS                                 |
|----------------------------|------------------|------|------|------|------|-----------------------------------------|
| 工作電壓 Operating Voltage     | V <sub>DD</sub>  | —    | 3    | 3.5  | V    |                                         |
| 工作電流 Operating Current     | I <sub>OP</sub>  | —    | 0.1  | 0.5  | mA   | No load                                 |
| 靜態電流 Quiescent Current     | I <sub>SB</sub>  | —    | 1    | 5    | μA   |                                         |
| 推動電流 BZ Driving Current    | I <sub>O</sub>   | 1    | —    | —    | mA   | @ V <sub>DS</sub> =1V                   |
| 推動電流 LO Driving Current    | I <sub>OL</sub>  | 6    | —    | —    | mA   | @ V <sub>DS</sub> =1.2V                 |
| 振盪頻率 Oscillator Frequency  | F <sub>OSC</sub> | —    | 100  | —    | KHz  | External± 30%, R <sub>osc</sub> =270K Ω |
| 工作溫度 Operating Temperature | Temp.            | 0    | 25   | 60   | °C   |                                         |

## APPLICATION DIAGRAM 參考電路圖

