



一華半導體股份有限公司
MOSDESIGN SEMICONDUCTOR CORP.

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MOBILE PHONE

大哥大專用 IC

SOUND EFFECT

M09T.



FEATURES 功能敘述

- 8 different telephone sounds.
- Direct drive speaker or buzzer.
- Built-in oscillator.

SOUND

K1	BEEP
K2	KEY TONE 1
K3	KEY TONE 2
K4	KEY TONE 3
K5	AUTO DIAL
K6	RING TONE
K7	BEEP 4 TIMES
K8	MELODY

APPLICATION 產品應用

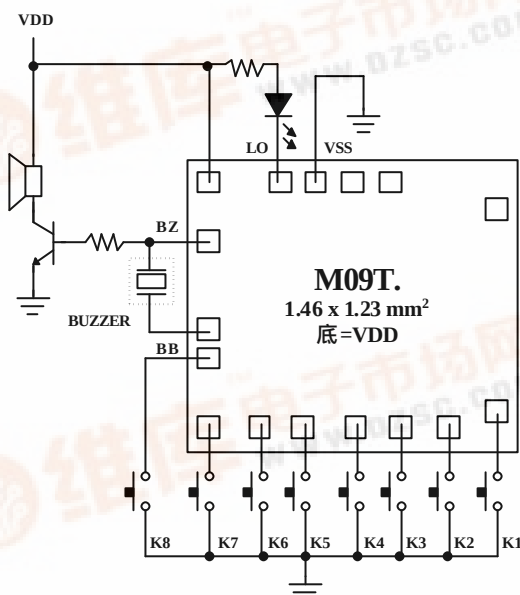
Alarm system, Toys, Key chain, Musical instrument, TV/Arcade game.

ELECTRICAL CHARACTERISTICS 電氣規格

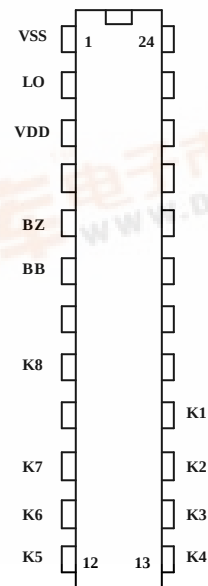
(@ $V_{DD}=3V$ unless otherwise specified)

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作電壓 Operating Voltage	V_{DD}	—	3	3.5	V	
工作電流 Operating Current	I_{OP}	—	0.1	0.5	mA	No load
靜態電流 Quiescent Current	I_{SB}	—	1	5	μA	
推動電流 BZ Driving Current	I_O	1	—	—	mA	@ $V_{DS}=1V$
推動電流 LO Driving Current	I_{OL}	6	—	—	mA	@ $V_{DS}=1.2V$
振盪頻率 Oscillator Frequency	F_{OSC}	—	85	—	KHz	$\pm 30\%$ TOL.
工作溫度 Operating Temperature	Temp.	0	25	60		

APPLICATION DIAGRAM 參考電路圖



M09T.P





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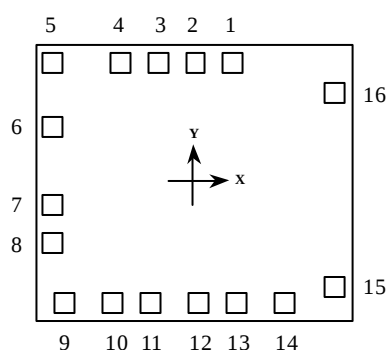
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MOBILE PHONE

大哥大專用 IC

PAD ASSIGNMENT & POSITION



UNIT : um			
No.	NAME	X	Y
1	TE	166.5	489
2	T2	12	489
3	VSS	-141	489
4	LED	-306.75	489
5	VDD	-607.5	489
6	BZ	-607.5	294
7	BB	-607.5	-57.75
8	K8	-607.5	-215.25
9	K7	-567.75	-489.75
10	K6	-346.5	-489.75
11	K5	-196.5	-489.75
12	K4	24.75	-489.75
13	K3	174.75	-489.75
14	K2	396	-489.75
15	K1	607.5	-418.5
16	T1	606.75	336

* CHIP SIZE ~ 1.46 x 1.23 mm²

* IC substrate should be connected to VDD in PCB (PCB 上 IC 必須接 VDD)