




DING-DONG
DOOR BELL

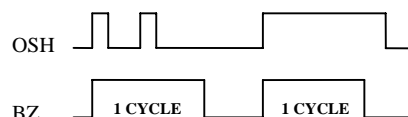
單音門鈴 IC

SOUND EFFECT	
M2358	

FEATURES 功能敘述

- MODE : VDD CONTROL.
- Separate LED and BUZZER driver.

M23581 1 TIME
M23582 2 TIMES



APPLICATION 產品應用

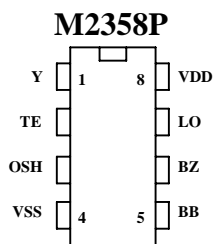
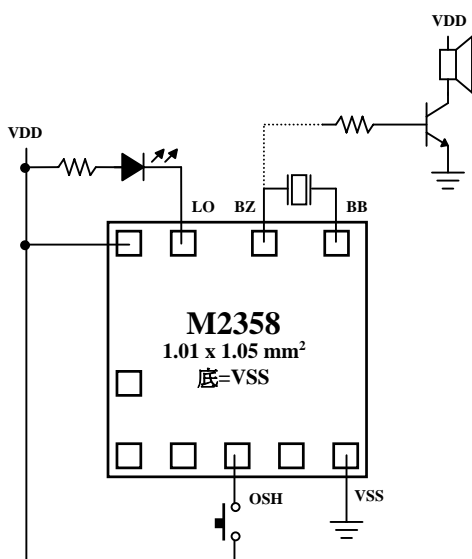
- Door Bell, Toys.

ELECTRICAL CHARACTERISTICS 電氣規格

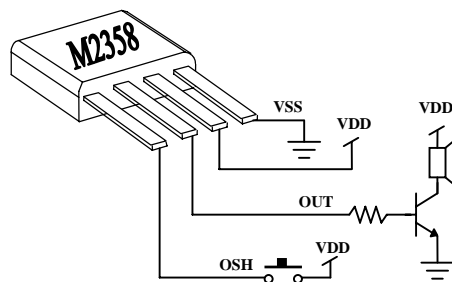
(@ V_{DD}=3V unless otherwise specified)

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}	—	100	—	KHz	±30% TOL.
工作溫度 Operating Temperature	Temp.	0	25	60	°C	

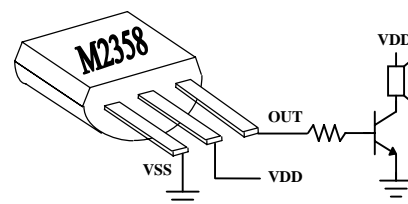
APPLICATION DIAGRAM 參考電路圖



TO93-4L (Suffix-F)



TO92-3L



*All specs and applications shown above subject to change without prior notice.
(以上電路及規格僅供參考,本公司得逕行修正)



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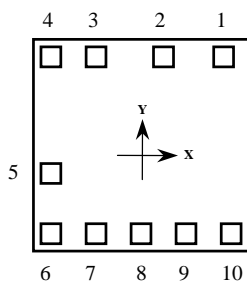
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SOUND EFFECT

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PAD ASSIGNMENT & POSITION



UNIT : um

No.	NAME	X	Y
1	BB	295	345
2	BZ	49	345
3	LO	-181	345
4	VDD	-361	345
5	Y	-361	-159
6	X	-338	-385
7	TE	-163	-385
8	OSH	12	-385
9	LH/ON	187	-385
10	VSS	362	-350

* CHIP SIZE ~ 1.01 x 1.05 mm²

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

(以上電路及規格僅供參考,本公司得逕行修正)