


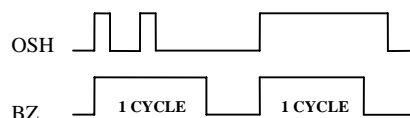
**DING-DONG
 DOOR BELL**

单音门铃 IC

SOUND EFFECT	
M581A	

FEATURES 功能叙述

- Ding-Dong 1 times.
- MODE: VDD Control.
- Separate LED and Buzzer driver.



APPLICATION 产品应用

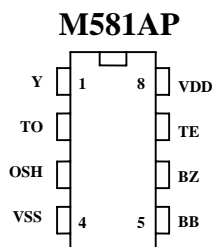
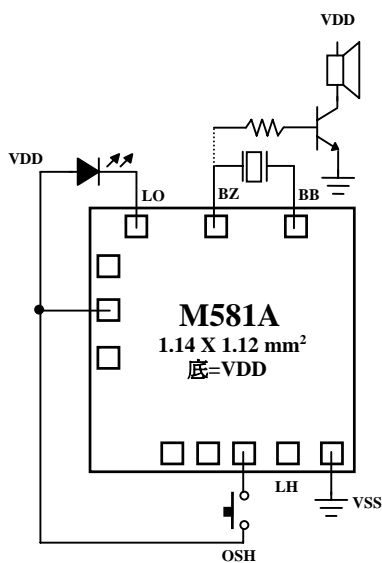
- Door Bell, Toys.

ELECTRICAL CHARACTERISTICS 电气规格

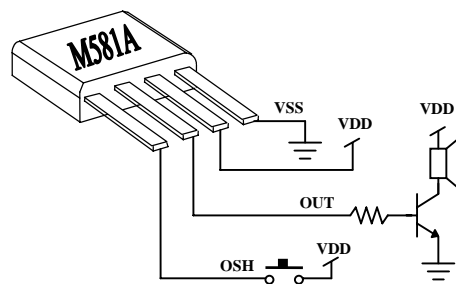
(@ $V_{DD}=3V$ unless otherwise specified)

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作电压 Operating Voltage	V_{DD}	—	3	4.5	V	
工作电流 Operating Current	I_{OP}	—	0.1	0.5	mA	No load
静态电流 Quiescent Current	I_{SB}	—	1	5	μA	
推动电流 BZ Driving Current	I_O	1	—	—	mA	@ $V_{DS}=1V$
推动电流 LO Driving Current	I_{OL}	6	—	—	mA	@ $V_{DS}=1.2V$
振荡频率 Oscillator Frequency	F_{OSC}	—	100	—	KHz	$\pm 30\%$ TOL.
工作温度 Operating Temperature	Temp.	0	25	60	$^{\circ}C$	

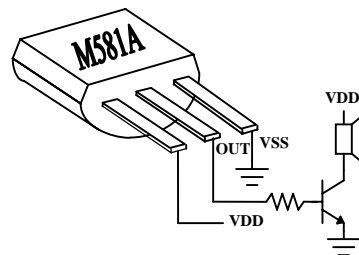
APPLICATION DIAGRAM 参考电路图



TO93-4L (Suffix-F)



TO92-3L (Suffix-A)



*All specs and applications shown above subject to change without prior notice.
 (以上电路及规格仅供参考,本公司得径行修正)



DING-DONG
DOOR BELL

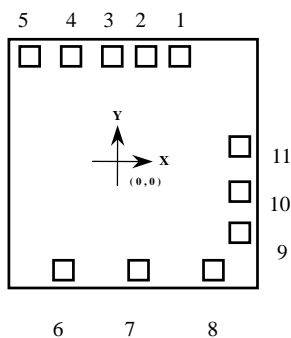
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PAD ASSIGNMENT & POSITION



UNIT : um

No.	NAME	X	Y
1	X	203	433
2	TO	50	434
3	OSH	-101	433
4	LH	-273	433
5	VSS	-445	443
6	BB	-268.75	-435
7	BZ	38	-435
8	LO	347	-435
9	TE	441	-278
10	VDD	444	-115
11	Y	444.25	67

* CHIP SIZE ~ 1.14 x 1.12 mm²

* IC substrate should be connected to VDD in PCB (PCB 上 IC 必须接 VDD)