



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

TAIPEI : TEL : 886-2- 22783733
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MECHANICAL SOUND
MOTOR DRIVE

機械聲雙音 IC
可推動馬達

MELODY	
M6033	

FEATURES 功能敘述

- 1024 notes dual tone.
- 5 operating mode.

	MODE	SEL	TG
CONTINUOUS	X	X	VSS
ON/OFF	VSS	X	
RETRIGGER	X	X	
TRIGGER	X	VSS	
LH	VSS	VSS	

APPLICATION 產品應用

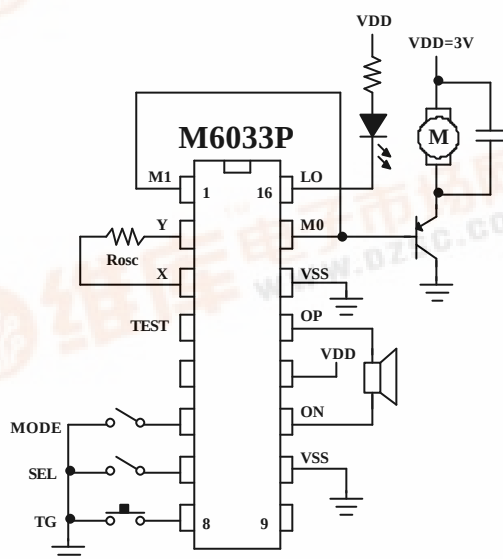
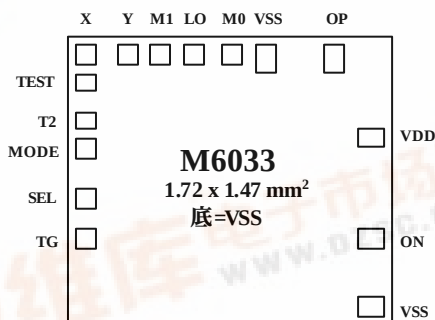
- Melody toys, musical instrument.

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	5	V	
工作電流 Operating Current	I _{OP}	—	50	—	mA	No load
靜態電流 Quiescent Current	I _{SB}	—	1	—	μA	
推動電流 BZ Driving Current	I _O	—	1	—	mA	@ V _{DS} =1V
推動電流 LO Driving Current	I _{OL}	—	2	—	mA	@ V _{DS} =1.2V
振盪頻率 Oscillator Frequency	F _{OSC}	—	900	—	KHz	External±30%, R _{osc} =56KΩ
工作溫度 Operating Temperature	Temp.	0	25	60	°C	

APPLICATION DIAGRAM 參考電路圖





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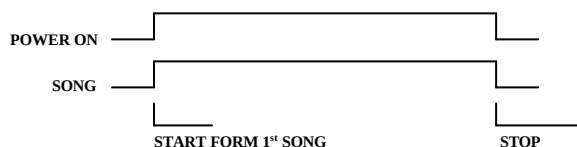
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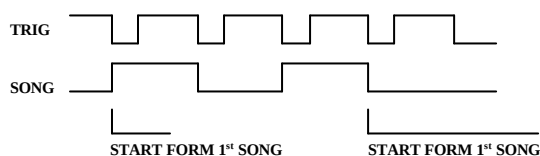
MELODY	
M6033	

FUNCTION MODE DESCRIPTION

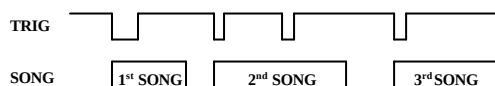
CONTINUOUS MODE



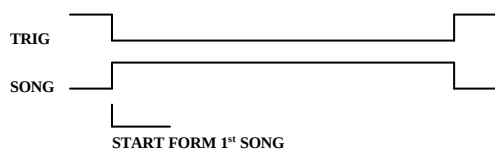
ON/OFF MODE



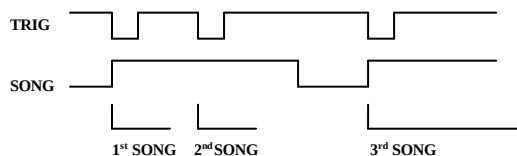
TRIGGER MODE



LEVEL HOLD MODE



RETRIGGER MODE





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SONG LIST

M6033-1

- 1 Jingle bells
- 2 O come, all ye faithful (adeste fideles)
- 3 O Christmas tree (O tannenbaum)
- 4 Angles we have heard on high
- 5 O little town of bethlehem
- 6 The twelve days of Christmas
- 7 Hark! The herald angles sing
- 8 Silent night
- 9 Deck the halls
- 10 The first noel
- 11 Joy to the world
- 12 We wish you a merry Christmas

M6033-2

- 1 Branm's lullaby
- 2 Twinkle twinkle little star
- 3 Are you sleeping
- 4 London bridge is falling down
- 5 Rock-a-by baby
- 6 Kankee doodle
- 7 My bonnie lies over the ocean
- 8 Down the mountain side we go
- 9 Battle hymn
- 10 Oh! My darling
- 11 Skip to my Lou
- 12 Camp town race

M6033-3

- 1 Love me tender
- 2 Let me call you sweet heart
- 3 You are my sunshine
- 4 Silver threads among the gold
- 5 Love's old sweet song
- 6 A time for us
- 7 Music box dancer
- 8 Green sleeves
- 9 Ballad pour Adeline

M6033-4

- 1 Easter parade
- 2 Peter cotton tail
- 3 American patrol
- 4 Easter
- 5 Easter's here