

深圳市普恩科技有限公司

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DT128SD

128 Notes Single Tone Melody (Non-Synchronous LED Flash)

Features:

- Built in RC oscillator .
- Operating modes : One shot, debounce function
- Lower power consumption.
- 128 notes ROM memory.
- LED flash

General Description:

This chip is a new type of CMOS sound generator designed with sound composite system using minimum application circuit .It is dedicated to the applications such as rhythm box, toys, etc. And is easy for you to design your consumer products.

Electrical Characteristics

(VDD=3.0V,GND=0V,Ta=25°C,unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Condition
Operating Voltage	Vdd	2V	3.0V	4.5V	
Standby Current	Istb	---		5uA	VDD=3V,I/O open
Operating Current	Iop	---	---	100uA	VDD=3V,I/O open
LED Sink Current	I _{LED}		15mA	---	Vdd=3V , Vled=1.2V
BD,BDB drive or sink current	Ibd		15mA	--	Vdd=3V ,BD and BDB Output pin connect 200ohm

Absolute Maximum Ratings:

RATING	VALUE
DC Supply Voltage	<5V
Input/output Voltage	GND-0.3V to VDD+0.3V
Operating Temperature	-10°C to 60 °C
Storage Temperature	-25°C to 125°C

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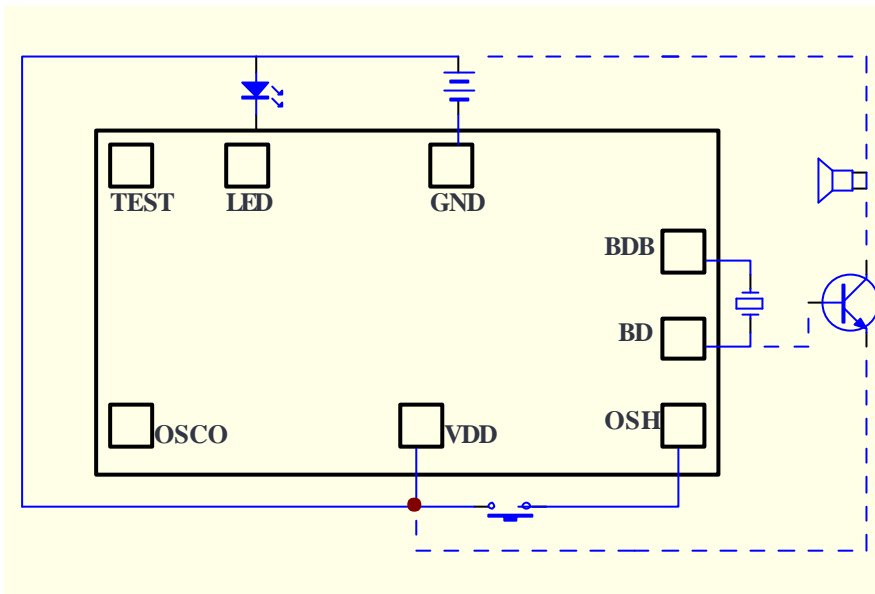
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Notice: Stress greater than those listed under Absolute Maximum Ratings may cause permanent damage to the device, This is a stress rating only and functional operation of the device at these or any other conditions above those indicated in the operational sections of this specification is not implied, Exposure to absolute maximum rating conditions for extended period may affect reliability.

Application Circuit:



* Substrate to VDD