MICRO ELECTRONICS

M66

SIMPLE MELODY GENERATOR

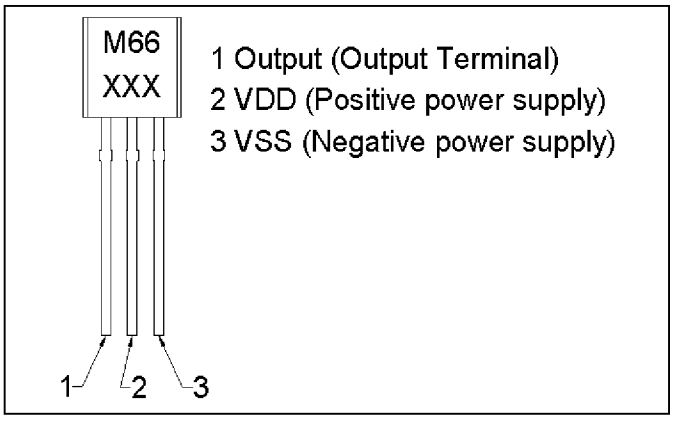
DESCRIPTION

The M66 series are low power CMOS LSI in TO-92 package, designed for the application of melody generation. The built in oscillator and strong driving capability minimise the external components required. A maximum of 128 notes can be programmed and repeat mode. It is suitable for use in melody cards, toys and other similar applications.

FEATURES

Wide range of supply voltage (1.2 to 3.6V)
Maximum or 128 notes
Built - in RC oscillator
Low power consumption
Direct driving capability to piezo-buzzer

PIN ASSIGNMENT (TO-92)



ABSOLUTE MAXIMUM RATINGS

Supply Voltage	0 to 3.6V
Operating Temperature	0 to 70°C
Storage Temperature	-55 to +125°C

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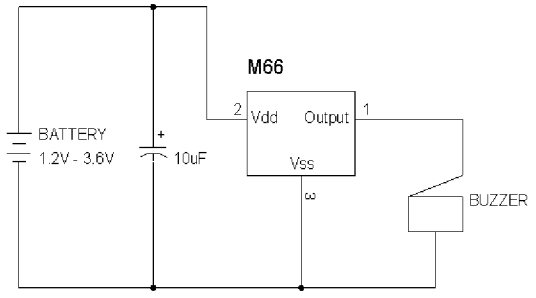
ELECTRICAL CHARACTERISTICS

(Vdd=1.5V Vss=0V Ta=25°C unless otherwise specified)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Operating Voltage	Vdd	1.2	1.5	3.6	V	
Operating Current	Idd		14	50	uA	Playing output open
Output Low Current	Iol	2		8	mA	Vol = 0.075V
Output High Current	Ioh	2		6	mA	Voh = 0.75V
Oscillating Frequency	Fosc	63	90	117	KHz	
Oscillating Start Voltage	Vstr	1.3			V	
Oscillating Hole Voltage	Vh		1.2		V	

TYPICAL APPLICATION CIRCUIT

A. LEVEL HOLD MODE FOR PIEZO



B. LEVEL HOLD MODE FOR SPEAKER

