MICRO ELECTRONICS

M66T

SIMPLE MELODY GENERATOR

DESCRIPTION

The M66T 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
Direct driving capability to 8 ohm speaker

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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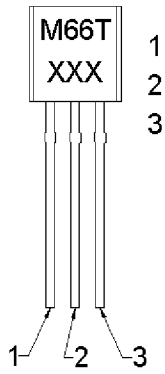
SIMPLE MELODY GENERATOR

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		8		mA	Playing output open
Output Current (Open Collector)	Ioh		75	100	mA	
Oscillating Frequency	Fosc	63	90	117	KHz	
Oscillating Start Voltage	Vstr	1.3			V	
Oscillating Hole Voltage	Vh		1.2		V	

PIN ASSIGNMENT (TO-92)



1 Output (Open collector)
2 VDD (Positive power supply)
3 VSS (Negative power supply)

TYPICAL APPLICATION CIRCUIT

