



Model (External Drive)

Dimension (Diameter x Depth mm)

Resistance Coil (DC) ($\Omega \pm 15\%$)

Rated Voltage (Voltagess)

Operating Voltage Range (Voltagess)

Current Consumption

at Fo, Square Wave, Rated V. mA(Max.)

SPL (db/1cm)

Resonant Frequency (FO Hz)

Net Weight (grams)

16SP50

16 Φ x14

50

5

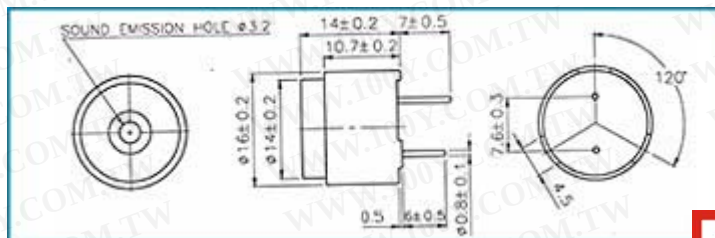
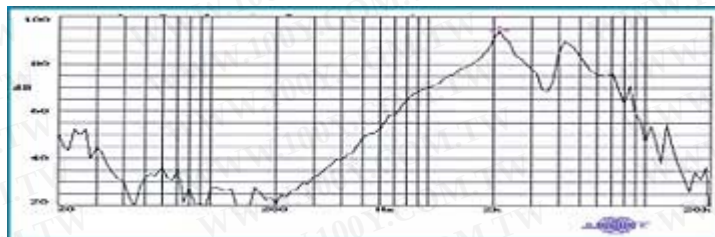
4 ~ 7

40

Min. 85

2048

7



勝特力材料 886-3-5753170

勝特力电子(上海) 86-21-54151736

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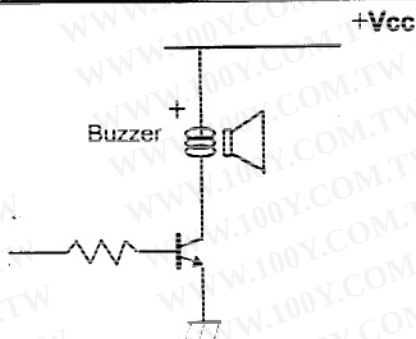
1.	Magnetic Buzzer	Model:	16SP50
2.	Dimension	16 $\varnothing$ $\times$ 14.0 (H) mm.	Weight Around 7 Grams.
3.	Coil Resistance (DC)	50 $\pm$ 7.5 Ω .	Tested by Digital Multimeter.
4.	Coil Impedance	100 Ω .	With a variable resistor series, apply 2048 Hz. Sine Wave, tested the -6db (1/2 input) point of resistance.
5.	Resonant Frequency	2000 $\pm$ 200 Hz.	Refer to next page response curve attached.
6.	Voltage Rating	Rated Voltage : 5.0 Voltages.	Operating Voltage: 4 ~ 7 Voltages.
7.	Sound Output	Min. 85 db.	Measured at 10 cm, rated voltage input, 1/2 duty cycle square wave at 2048 Hz.
8.	Current Consumption	Max. 40 mA.	With 1 Ω resistor series, 2048 Hz, 1/2 duty cycle, square wave.
9.	Temperature Rating	Storage : - 25 $^{\circ}$ C ~ + 85 $^{\circ}$ C	Operating : - 20 $^{\circ}$ C ~ + 60 $^{\circ}$ C
10.	Load test	After 96 hours actual continuous operation, with no abnormality shall exist.	
11.	Polarity	Mark "+" should connect to power supply positive end.	

Recommend Driving Circuit

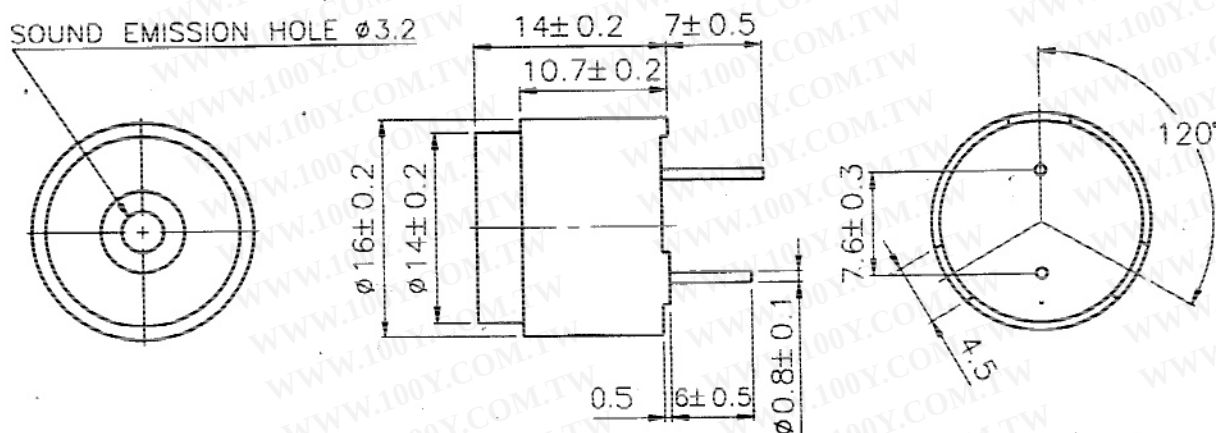
Signal:



Resonant frequency, 1/2 duty cycle, Square wave.
Signal amplitude should be large enough to saturate the transistor which drive the buzzer.



SOUND EMISSION HOLE $\varnothing 3.2$



G:\BUZZER\16SP H04

Housing Materials: NORYL

Unit : mm