Description: magnetic buzzer

Date: 10/04/2006

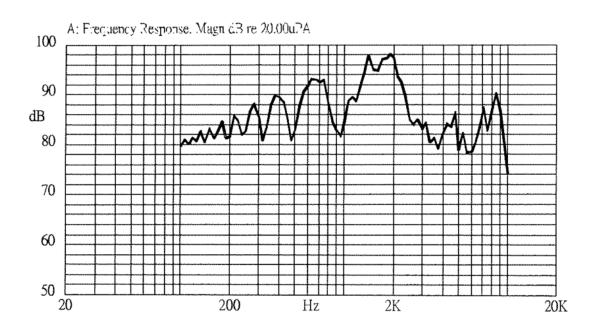
Unit: mm

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Specifications

Rated voltage	3.0 Vo-p	Vo-p
Operating voltage	1.0 ~ 3.0 Vo-p	ov
Mean current	90 mA max.	Applying rated voltage, 2000 Hz
		square wave, ½ duty
Coil resistance	15.0 ±2.0 Ω	
Coil impedance	42.5 Ω	
Sound output	Min. 90 (Typical 95) dBA	Distance at 5cm (A-weight free air).
		Applying rated voltage of 2000 Hz, square wave, ½ duty.
Rated frequency	2,000 Hz	
Operating tempurature	-20 ~ +60° C	
Storage tempurature	-30 ~ +70° C	
Dimensions	ø12.0 x H3.8 mm	See attached drawing
Weight	1.5 g	
Material	Noryl SE1-J	
RoHS	no	

Frequency Response Curve





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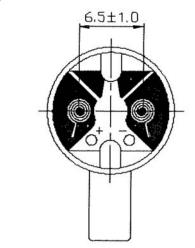
Date: 10/04/2006

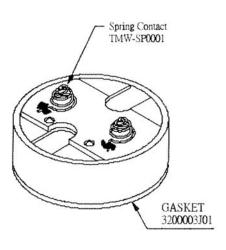
Unit: mm

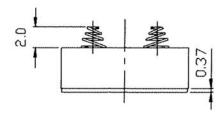
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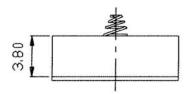
Appearance Drawing

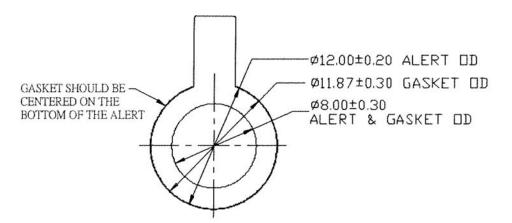
Tolerance: ±0.5











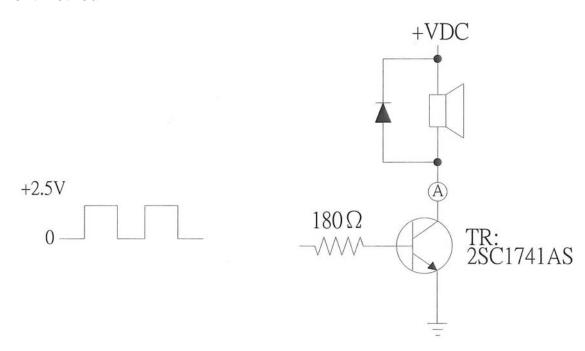
Description: magnetic buzzer

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Measurement Method



Mechanical Characteristics

Item	Test Condition	Evaluation Standard
Vibration	The buzzer will be measured after applying a vibration amplitude of 1.52 mm (9.3G) with 10 to 55 to 10 Hz band of vibration frequency to each of the 3 perpendicular directions for 2 hours.	After the test, the part shall meet specifications without any damage to the appearance and the SPL should be within ±10
Drop Test	The part is to be dropped from a height of 75 cm onto a 40 mm thick wooden board 3 times in 3 axis (X, Y, Z) for a total of 9 drops.	dBA of the initial SPL.



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Environment Test

Item	Test Condition	Evaluation Standard
High temp. test	The part will be subjected to +70°C for 96 hours.	
Low temp. test	The part will be subjected to -30°C for 96 hours	
Thermal shock	The part will be subjected to 10 cycles. One cycle will consist of: +70℃	The buzzer will be measured after being placed at +25°C for 4 hours. There should be no degredation to the appearance or performance. The SPL should
	-30°C 30 min. 30 min. 60 min.	
Temp./Humidity cycle	The part should be subjected to 10 cycles. On cycle will last for 24 hours and consist of: +70°C a,b:90~98%RH c:80~98%RH c:80~98%RH	= 1 '

Reliability Test

Item	Test Condition	Evaluation Standard
Operating (Life Test)	Ordinary temperature:	
	The part will be subjected to 1000 hours at room temperature (+25±10°C) with 3.0 V,	
	2000 Hz applied.	After the test, the part shall meet specifications without any
	2. High temperature:	damage to the appearance or
	The part will be subjected to 500 hours at	performance. After 4 hours at
	+60°C with 3.0 V, 2000 Hz applied.	+25°C, the SPL should be 77 dBA or more.
	3. Low temperature:	
	The part will be subjected to 500 hours at	
	-20°C with 3.0 V, 2000 Hz applied.	

Test Conditions

Standard Test Condition Judgement Test Condition a) Tempurature: +5 ~ +35°C

b) Humidity: 45 - 85%

c) Pressure: 860 - 1060 mbar

a) Tempurature: +25±2°C

b) Humidity: 60 - 70%

c) Pressure: 860 - 1060 mbar



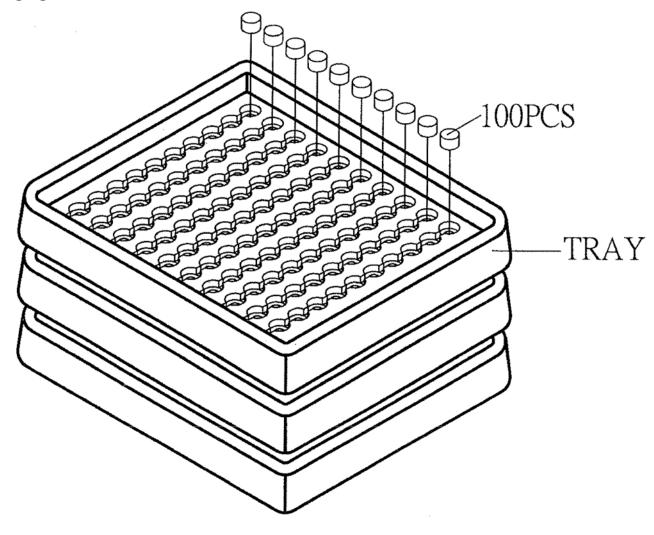
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Packaging



TRAY 184mmx24mm 1x100PCS=100PCS
