
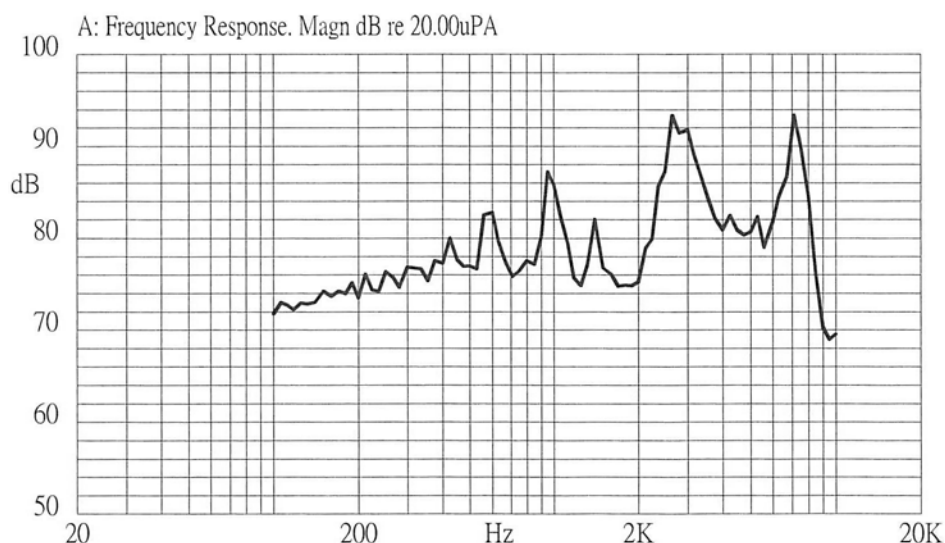




## Specifications

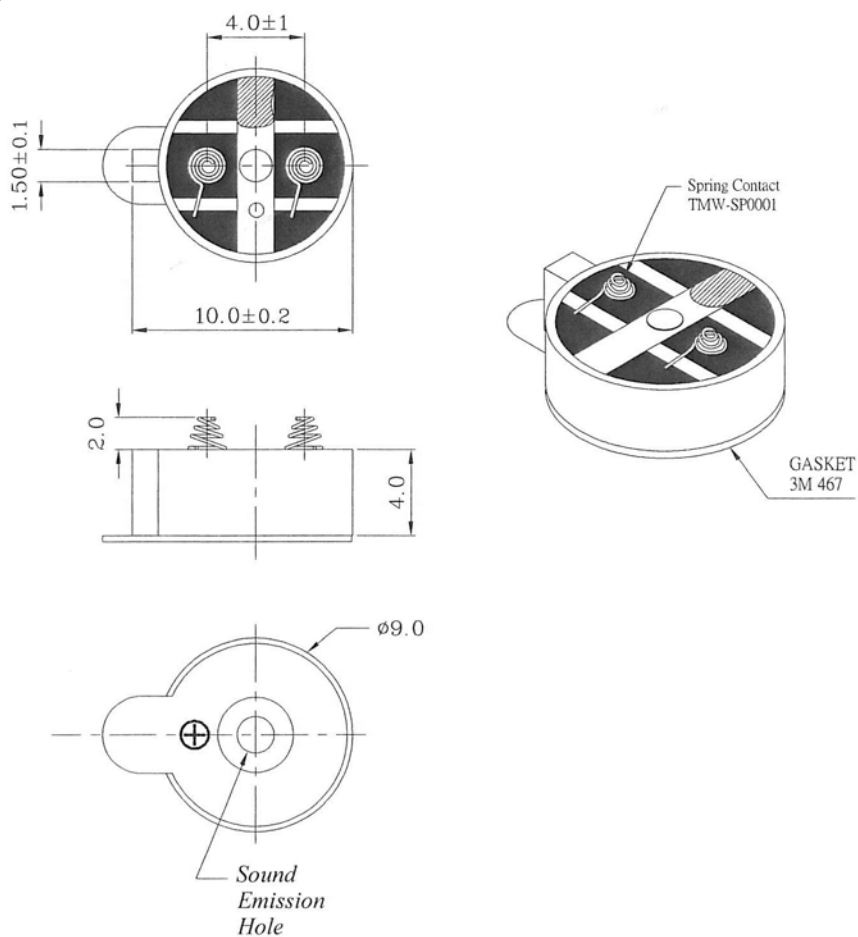
Rated voltage	3.0 Vo-p	
Operating voltage	2.0 - 4.5 Vo-p	
Mean current	80 mA max.	
Coil resistance	20 $\pm$ 3 $\Omega$	Applying rated voltage, 2730 Hz square wave, 1/2 duty
Sound output	Min. 90 (Typical 95) dBA	Distance at 5cm (A-weight free air). Applying rated voltage of 2730 Hz, square wave, 1/2 duty.
Rated frequency	2730 Hz	
Operating temperature	-20 ~ +60° C	
Storage temperature	-30 ~ +70° C	
Dimensions	$\varnothing$ 9.0 x H4.0 mm	See attached drawing
Weight	1.0 g	
Material	PPO (Black)	
Terminal	Spring type (Au Plating)	See attached drawing
RoHS	yes	

## Frequency Response Curve

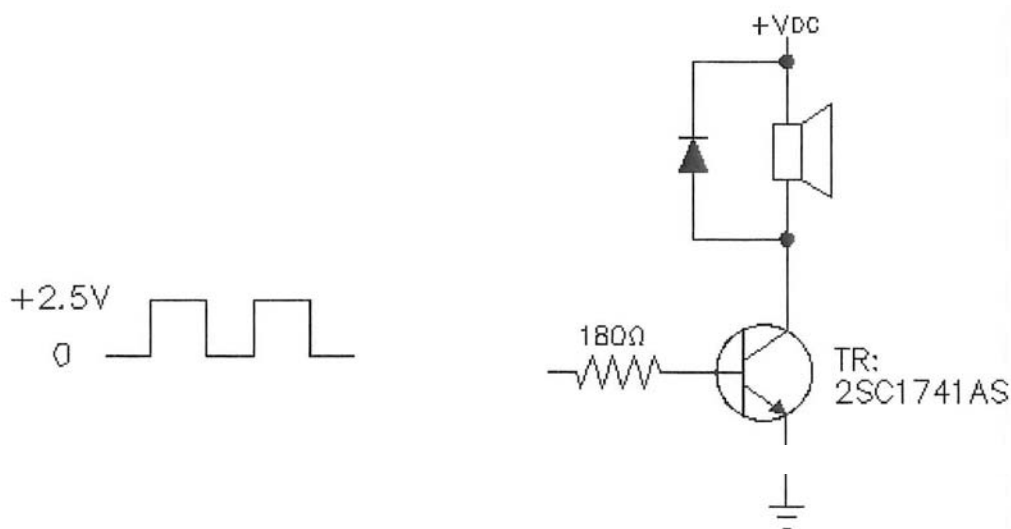


## Appearance Drawing

Tolerance:  $\pm 0.5$



## Measurement Method



## Mechanical Characteristics

Item	Test Condition	Evaluation Standard
Vibration	The buzzer will be measured after applying a vibration amplitude of 1.5 mm with 10 to 55 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 $\pm 10$ dBA of the initial SPL.
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.	

## Environment Test

Item	Test Condition	Evaluation Standard
High temp. test	The part will be subjected to +70°C for 96 hours.	After the test, the part shall meet specifications without any damage to the appearance. After 4 hours at +25°C, the SPL should be within $\pm 10$ dBA of the initial SPL.
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: <div data-bbox="649 1134 974 1365" data-label="Diagram"> <pre> graph LR     A[-30°C] -- 30 min. --&gt; B[+70°C]     B -- 30 min. --&gt; C[60 min.]     </pre> </div>	
Temp./Humidity cycle	The part shall be subjected to 10 cycles. One cycle will last for 24 hours and consist of: <div data-bbox="535 1470 1088 1722" data-label="Diagram"> <pre> graph LR     A[+25°C] -- 3hrs (a) --&gt; B[+70°C]     B -- 12±0.5hrs (b) --&gt; C[+25°C]     C -- 3hrs (c) --&gt; D[24hours]     </pre> </div>	



Part No: CST-934AS

Date: 9/20/2006

Unit: mm

Description: magnetic buzzer

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## Mechanical Characteristics

Item	Test Condition	Evaluation Standard
Operating (Life Test)	1. Continuous life test: The part will be subjected to 72 hours at +45°C with 3 V, 2730 Hz applied.	After the test, the part shall meet specifications without any damage to the appearance. After 4 hours at +25°C, the SPL should be within $\pm 10$ dBA of the initial SPL.
	2. Intermittent life test: A duty cycle of 1 minute on, 1 minute off, a minimum of 10,000 times at room temp (+25 $\pm$ 10°C) with 3 V, 2730 Hz applied.	

## Test Conditions

Standard Test Condition	a) Temperature: +5 ~ +35°C	b) Humidity: 45 - 85%	c) Pressure: 860 - 1060 mbar
Judgement Test Condition	a) Temperature: +25 $\pm$ 2°C	b) Humidity: 60 - 70%	c) Pressure: 860 - 1060 mbar

## Packaging

