



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us


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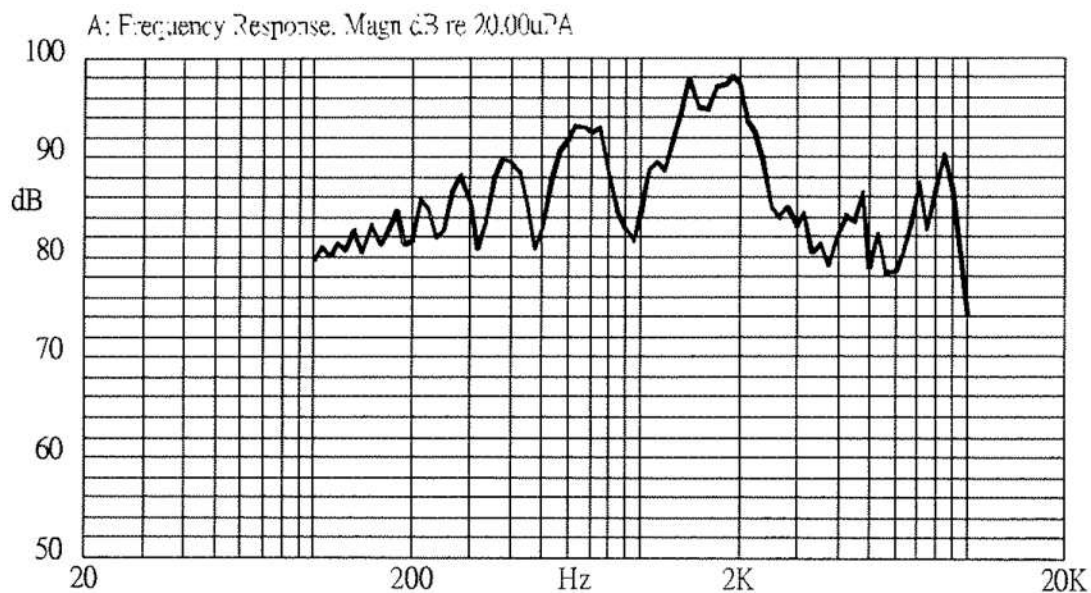
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

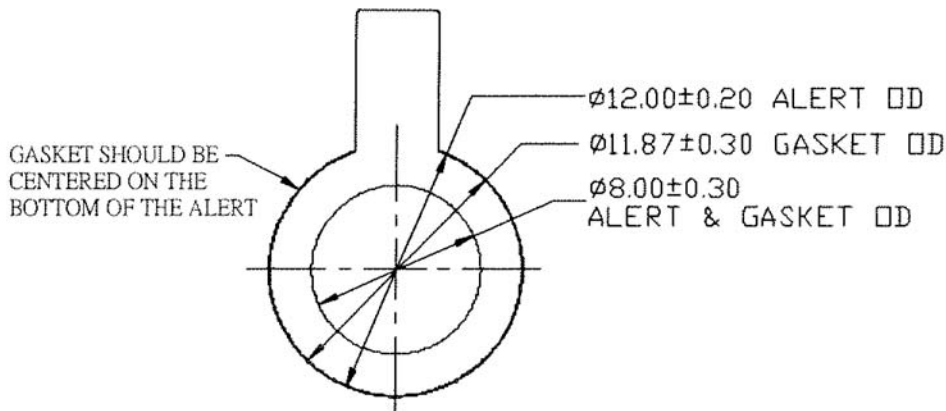
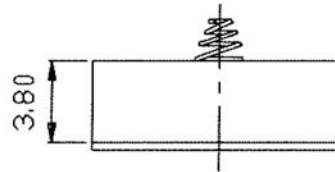
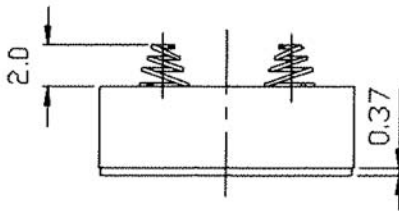
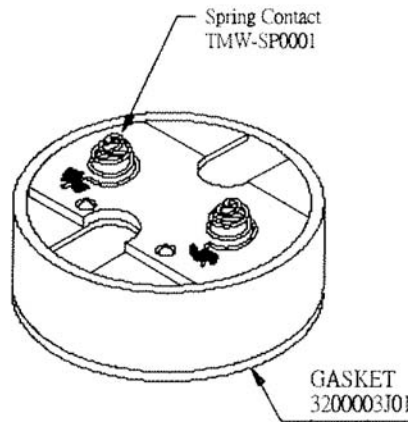
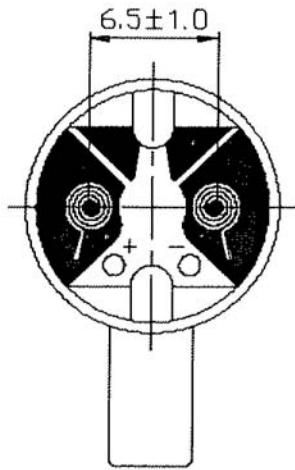


Specifications

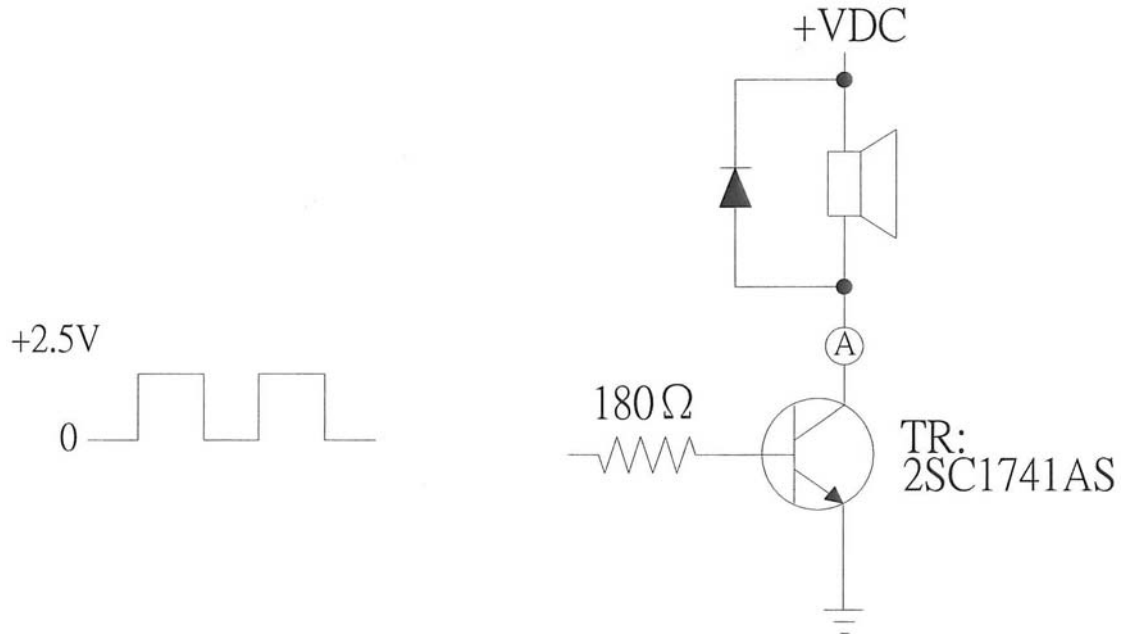
Rated voltage	3.0 Vo-p	
Operating voltage	1.0 ~ 3.0 Vo-p	
Mean current	90 mA max.	
Coil resistance	15.0 ±2.0 Ω	Applying rated voltage, 2000 Hz square wave, ½ duty
Coil impedance	42.5 Ω	
Sound output	Min. 90 (Typical 95) dBA	Distance at 5cm (A-weight free air). Applying rated voltage of 2000 Hz, square wave, ½ duty.
Rated frequency	2,000 Hz	
Operating temperature	-20 ~ +60° C	
Storage temperature	-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


Appearance Drawing

 Tolerance: ± 0.5


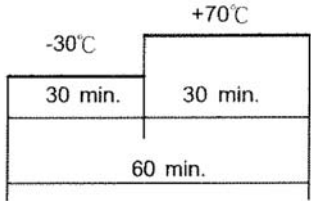
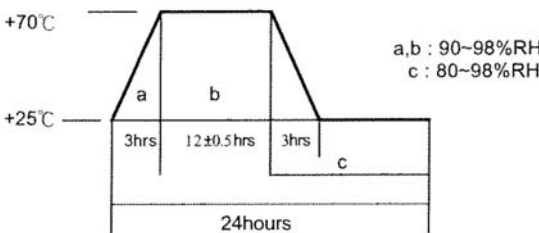
Measurement Method



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 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.	
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: 	
Temp./Humidity cycle	The part should be subjected to 10 cycles. One cycle will last for 24 hours and consist of: 	The buzzer will be measured after being placed at +25°C for 4 hours. There should be no degradation to the appearance or performance. The SPL should be 77dBA or more

Reliability Test

Item	Test Condition	Evaluation Standard
Operating (Life Test)	1. Ordinary temperature: The part will be subjected to 1000 hours at room temperature (+25±10°C) with 3.0 V, 2000 Hz applied. 2. High temperature: The part will be subjected to 500 hours at +60°C with 3.0 V, 2000 Hz applied. 3. Low temperature: The part will be subjected to 500 hours at -20°C with 3.0 V, 2000 Hz applied.	After the test, the part shall meet specifications without any damage to the appearance or performance. After 4 hours at +25°C, the SPL should be 77 dBA or more.

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±2°C	b) Humidity: 60 - 70%	c) Pressure: 860 - 1060 mbar



CUI INC

Part No: CSQ-706BS

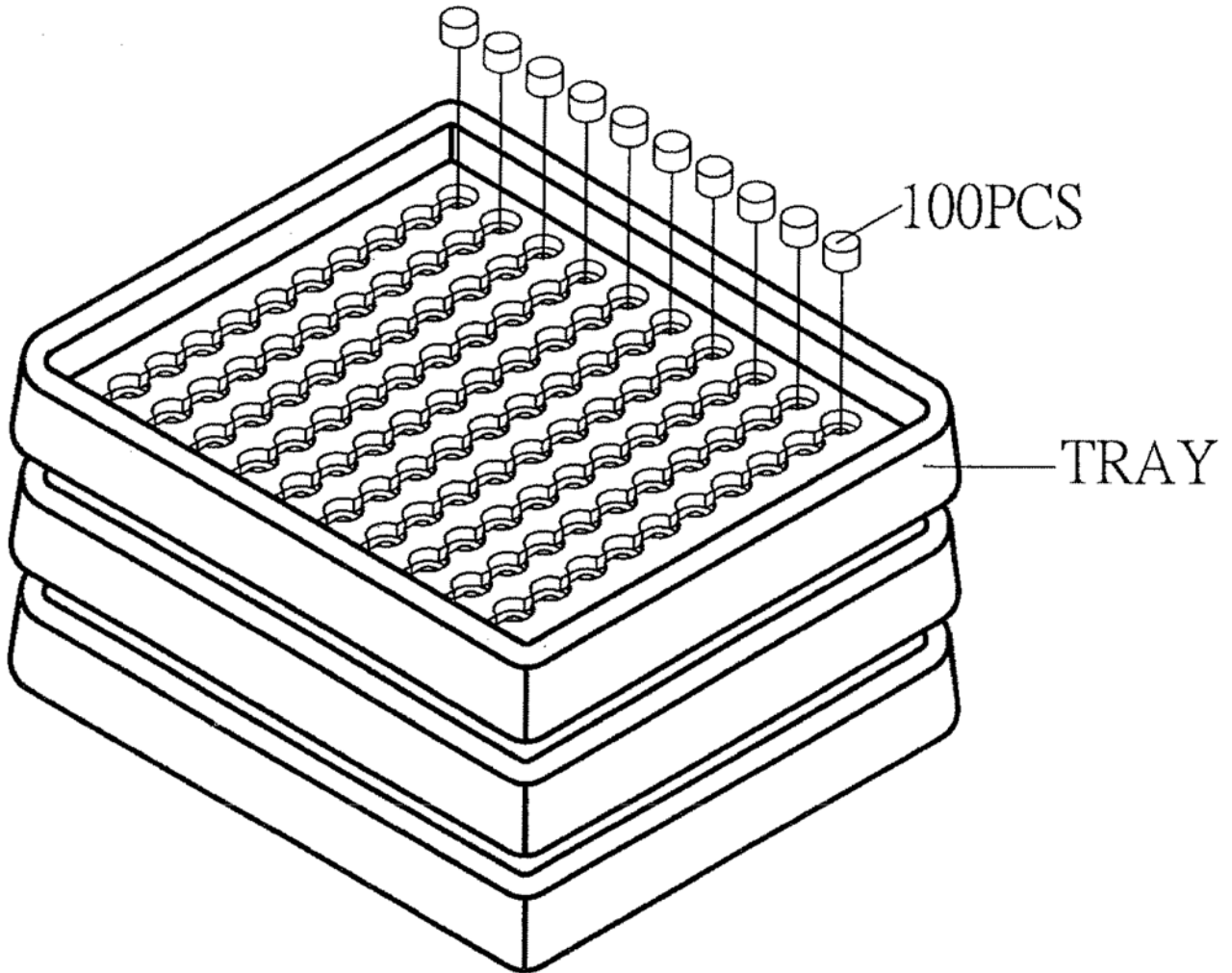
Description: magnetic buzzer

Date: 10/04/2006

Unit: mm

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Packaging



TRAY	184mmx184mmx24mm	1x100PCS=100PCS
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