



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!



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A. SCOPE

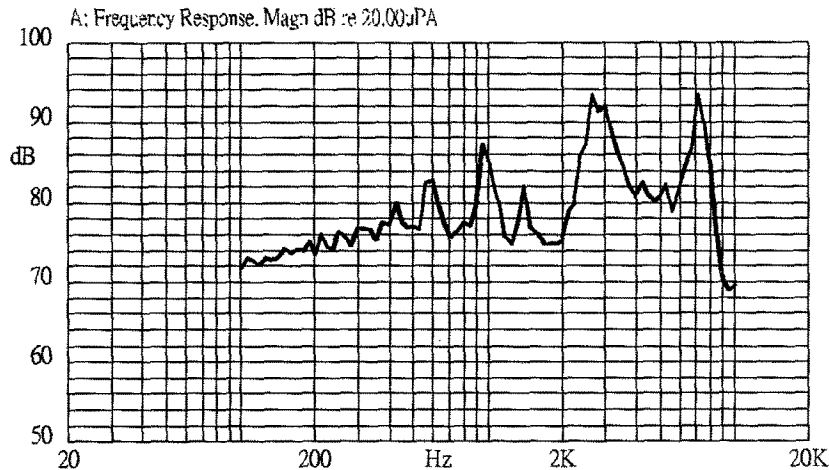
This specification applies magnetic buzzer, **CST-934AS**

B. SPECIFICATION

■ Test condition: TEMP=+25±2°C Related humidity=65±5% Air pressure:860-1060mbar

No.	Item	Unit	Specification	Condition
1	Rated Voltage	Vo-p	3.0	
2	Operating Volt.	Vo-p	2.0~4.5	
3	Mean Current	mA	Max. 80	Applying rated voltage,2730Hz square wave, 1/2duty
4	Coil Resistance	Ω	20.0 ± 3.0	
5	Coil Impedance	Ω	28.0	See Impedance Measurements graph.
6	Sound Output	dBA	Min.90 (Typical 95)	Distance at 5cm(A-weight free air). Applying rated voltage 2730Hz,square wave, 1/2duty
7	Rated Frequency	Hz	2730	
8	Operating Temp.	°C	-20 ~ +60	
9	Storage Temp.	°C	-30 ~ +70	
10	Dimension	mm	φ 9.0 x H4.0	See attached drawing.
11	Weight	gram	1.0	
12	Material		PPO (Black)	
13	Terminal		Spring contact	See attached drawing.

C. TYPICAL FREQUENCY RESPONSE CURVE

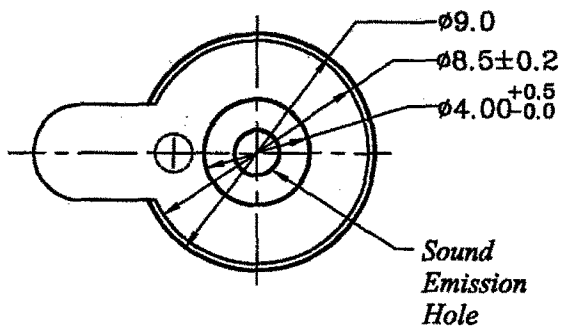
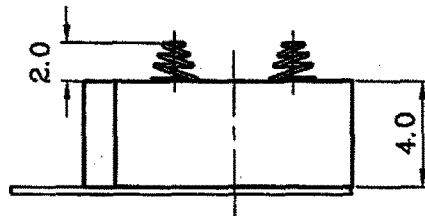
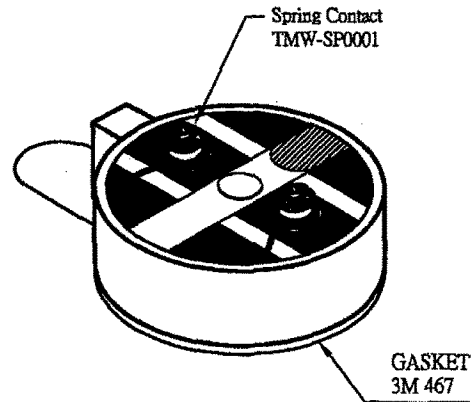
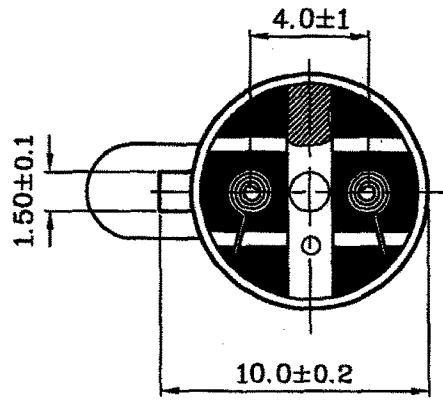


PART NO.	CST-934AS	UNITS:	mm
TOLERANCE:	±1.5	PAGE NO:	1 of 5



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D. APPEARANCE DRAWING



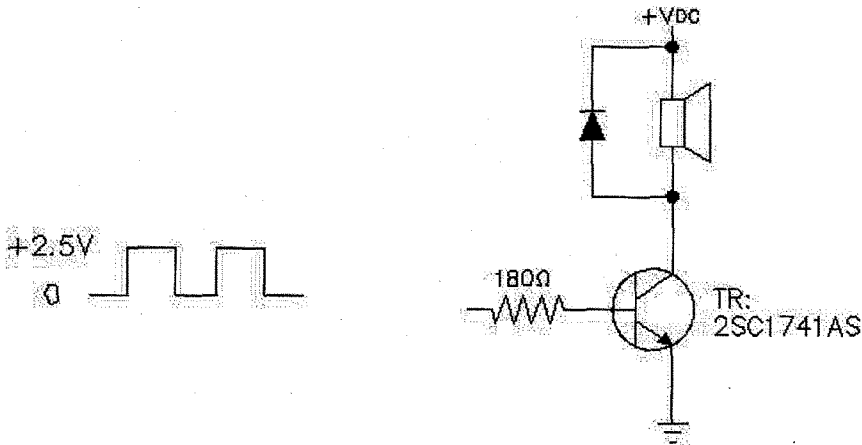
**Tol: ± 0.5
 Unit: mm**

PART NO.	CST-934AS	UNITS:	mm
TOLERANCE:	± 1.5	PAGE NO:	2 of 5



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E. MEASUREMENT METHOD



F. MECHANICAL CHARACTERISTICS

No.	Item	Test condition	Evaluation standard
1	Vibration	The part shall be subjected to a vibration cycle of 10Hz to 55Hz to 10Hz in a period of 1 minute. Total peak amplitude shall be 1.52mm (9.3G). The vibration test shall consist of 2 hours per axis in each three axes (X, Y, Z), Total 6 hours.	After the test the part shall meet specifications without any damage in appearance and performance except SPL. SPL shall be 81dBA or more.
2	Dorp test	The part only shall be dropped from a height of 75cm onto a 40mm thick wooden board 3 times in 3 axes (X.Y.Z). (a total of 9 times).	

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G. ENVIRONMENT TEST

No.	Item	Test condition	Evaluation standard
1	High temp. test	After being placed in a chamber at +70°C for 96 hours.	After the test the part shall meet specifications without any degradation in appearance and performance except SPL after 4 hours at +25°C. The SPL shall be 81dBA or more.
2	Low temp. test	After being placed in a chamber at -30°C for 96 hours.	
3	Thermal Shock	The part shall be subjected to 10 cycles. One cycle shall consist of; 	
4	Temp./ Humidity Cycle	The part shall be subjected to 10 cycles. One cycle shall be 24 hours and consist of; 	

H. RELIABILITY TEST

No.	Item	Test condition	Evaluation standard
1	Operating life test	1. Ordinary temperature The part shall be subjected to 1000 hours at room temperature (+25±10°C) with 3V, 2730Hz applied. 2. High temperature The part shall be subjected to 500 hours at +60°C with 3V, 2730Hz applied. 3. Low temperature The part shall be subjected to 500 hours at -20°C with 3V, 2730Hz applied.	After the test the part shall meet specifications without any degradation in appearance and performance except SPL after 4 hours at +25°C. The SPL shall be 81dBA or more.

TEST CONDITION.

Standard Test Condition : a) Temperature : +5 ~ +35°C b) Humidity : 45-85% c) Pressure : 860-1060mbar

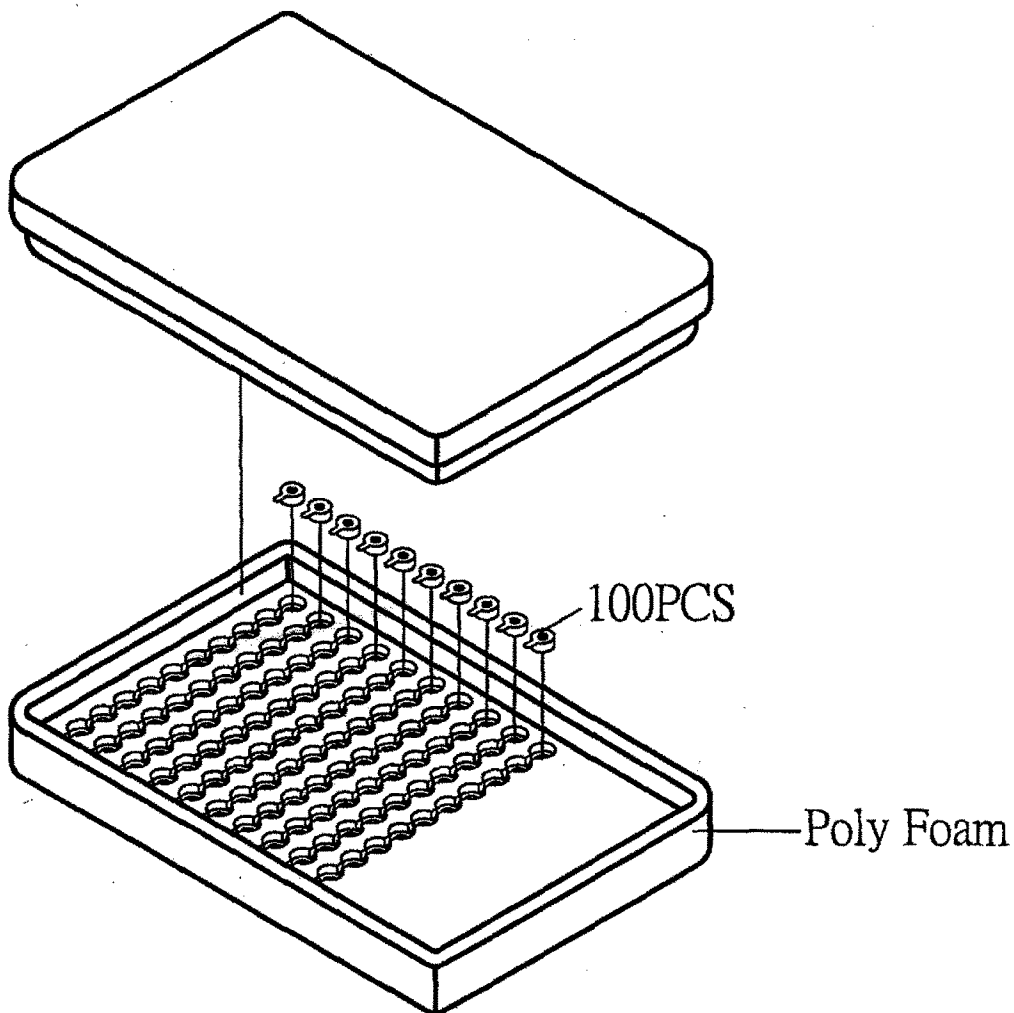
Judgement Test Condition : a) Temperature : +25 ± 2°C b) Humidity : 60-70% c) Pressure : 860-1060mbar

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I. PACKING STANDARD



Poly Foam	237mmx157mmx40mm	1x100PCS=100PCS
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