

## **Excellent Integrated System Limited**

Stocking Distributor

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[CUI Inc.](#)  
[CST-934AS](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

For more information, please visit the [product page](#).

CUI INC

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Website: [www.cui.com](http://www.cui.com)

**A. SCOPE**

This specification applies magnetic buzzer, CST-934AS

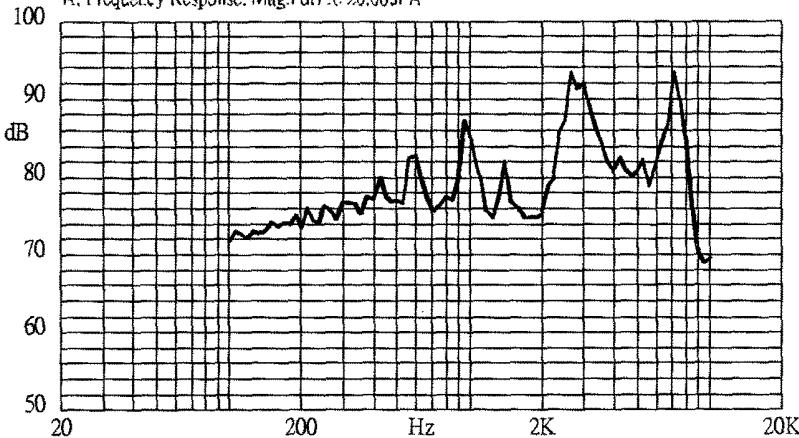
**B. SPECIFICATION**

■ 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	 Vo-p
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**

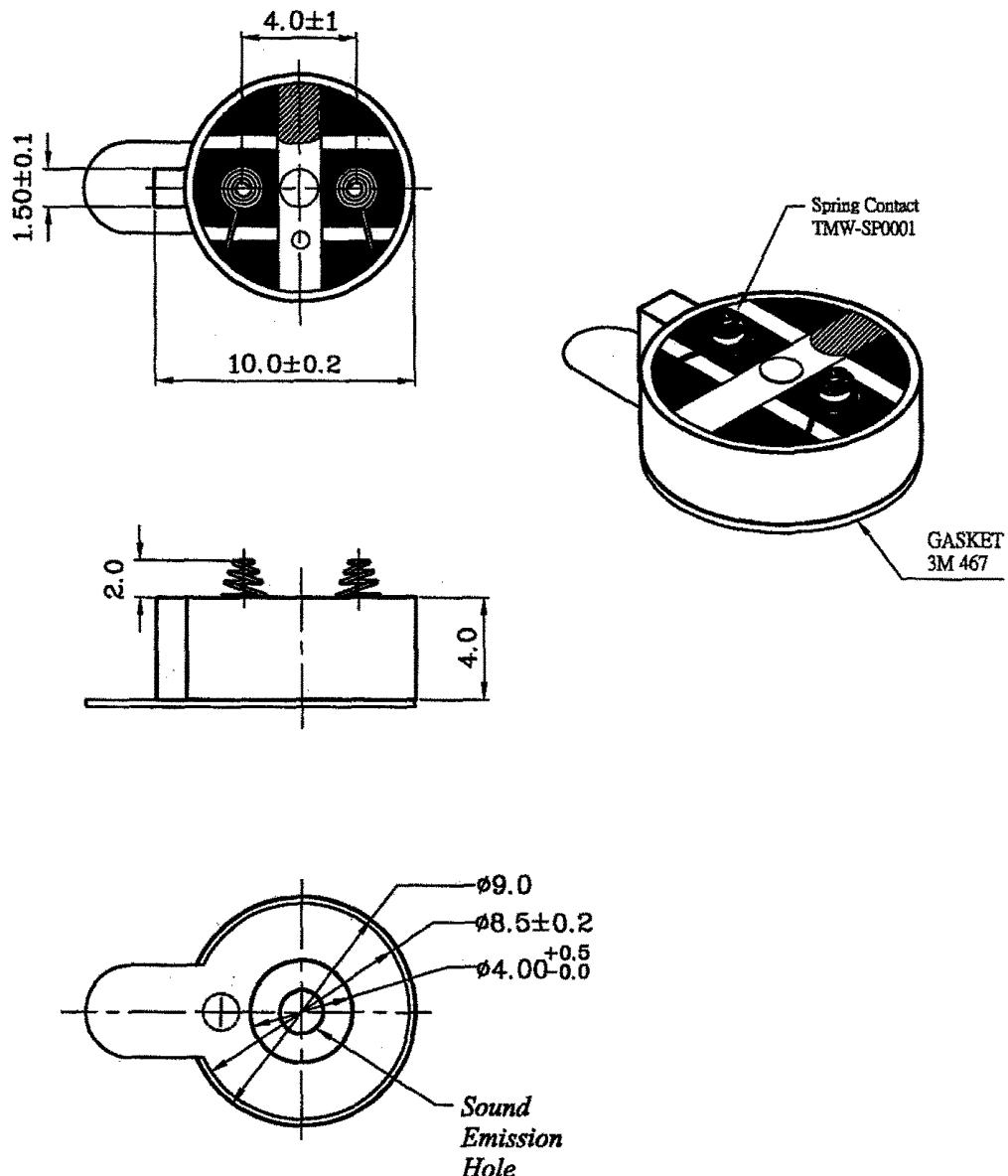
A: Frequency Response. Magn dB re 20.00μPa



PART NO.	CST-934AS	UNITS:
TOLERANCE:	±1.5	PAGE NO:

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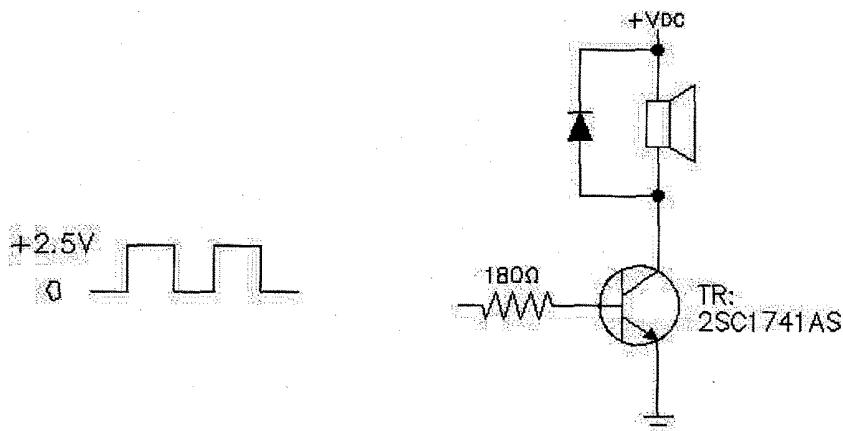
**D. APPEARANCE DRAWING**

**Tol: ± 0.5**  
**Unit: mm**

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TOLERANCE:	±1.5	mm
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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	Drop 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).	

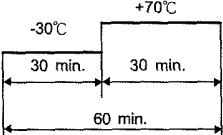
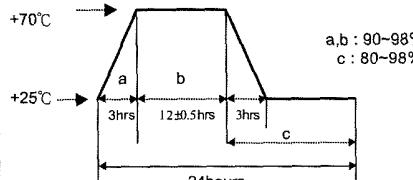
PART NO.	CST-934AS	UNITS:	mm
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**G. ENVIRONMENT TEST**

No.	Item	Test condition	Evaluation standard
1	High temp. test	After being placed in a chamber at +70°C for 96 hours.	
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;  	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.
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.**

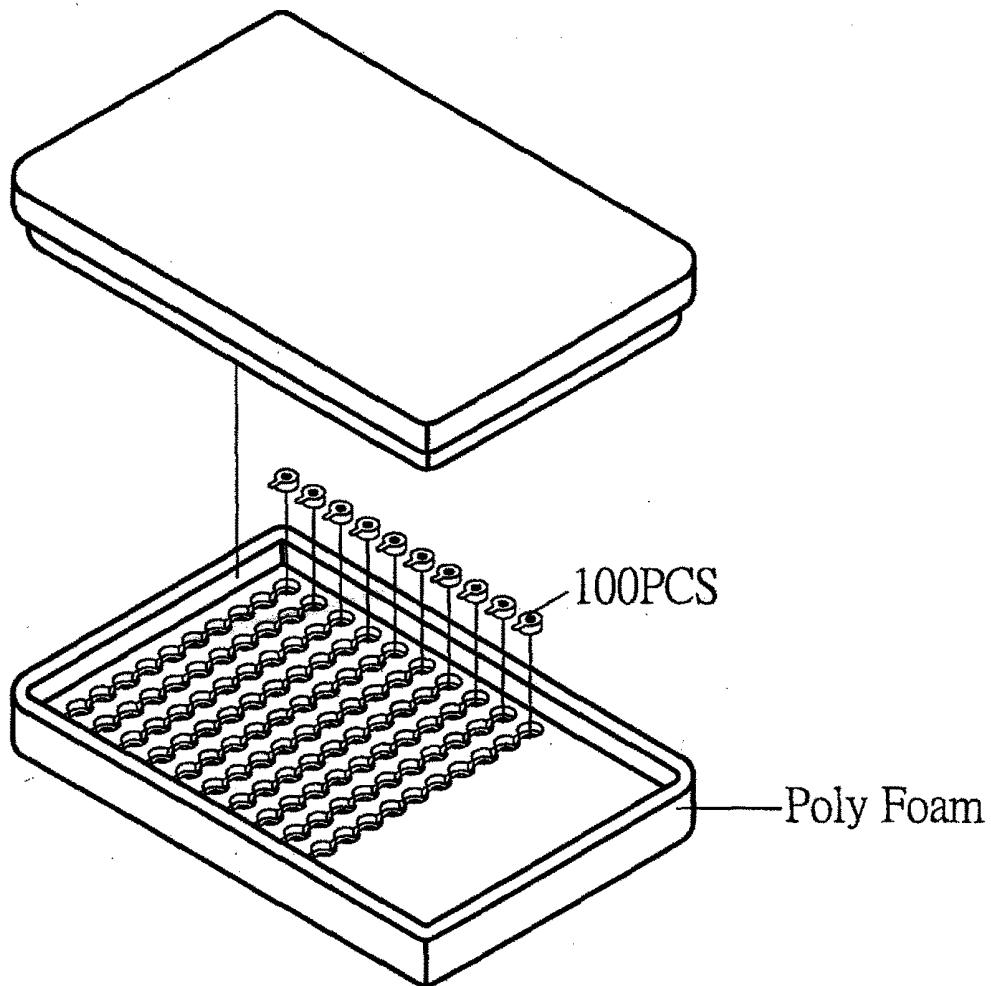
Standard Test Condition : a) Temperature : +5 ~ +35°C b) Humidity : 45-85% c) Pressure : 860-1060mbar

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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