
SPECIFICATION FOR APPROVAL

Product	MAGNETIC BUZZER (INDICATOR)
Part No.	SEM-8606 (RoHS)
Customer Approval	

Approved By	Checked By	Made By



SHOGYO INTERNATIONAL CORP.
6851 JERICHO TURNPIKE, SYOSSET, N.Y. 11791
TEL: (516) 921-9111 • FAX: (516) 921-3777
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SEM-8606(RoHS)

Items		Units	Specifications	Conditions
1	Rated Voltage	VDC	6	
02	Operating Voltage	VDC	4~8	
03	Mean Current	mA (Max)	25	Applying rated voltage,
04	Sound Output	dBA (min)	75	Distance at 30cm,applying rated
05	Tone Nature	single		
06	Resonant Frequency	Hz	400 ± 100	
07	Operating Temp.	°C	-20 ~ +60	
08	Storage Temp.	°C	-30 ~ +70	
09	Weight	Gram	8.5	
11	Terminal	Pins		

※ Standard Conditions:

Temperature 15 ~ 35°C

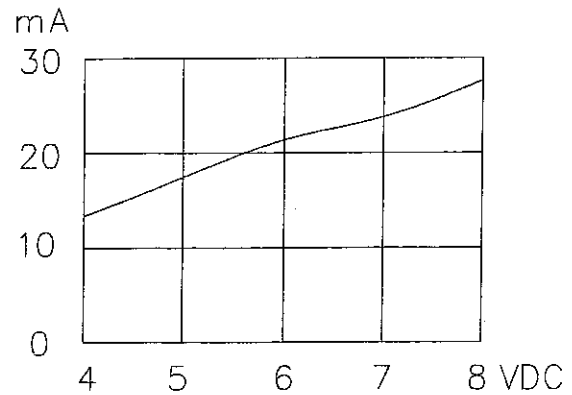
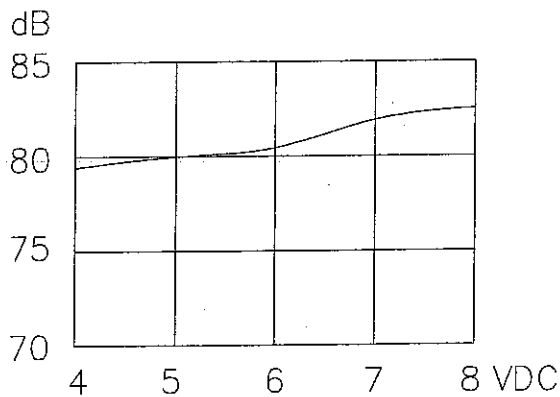
Humidity 25 ~ 80 %

Air pressure 860 ~ 1060 HPa.

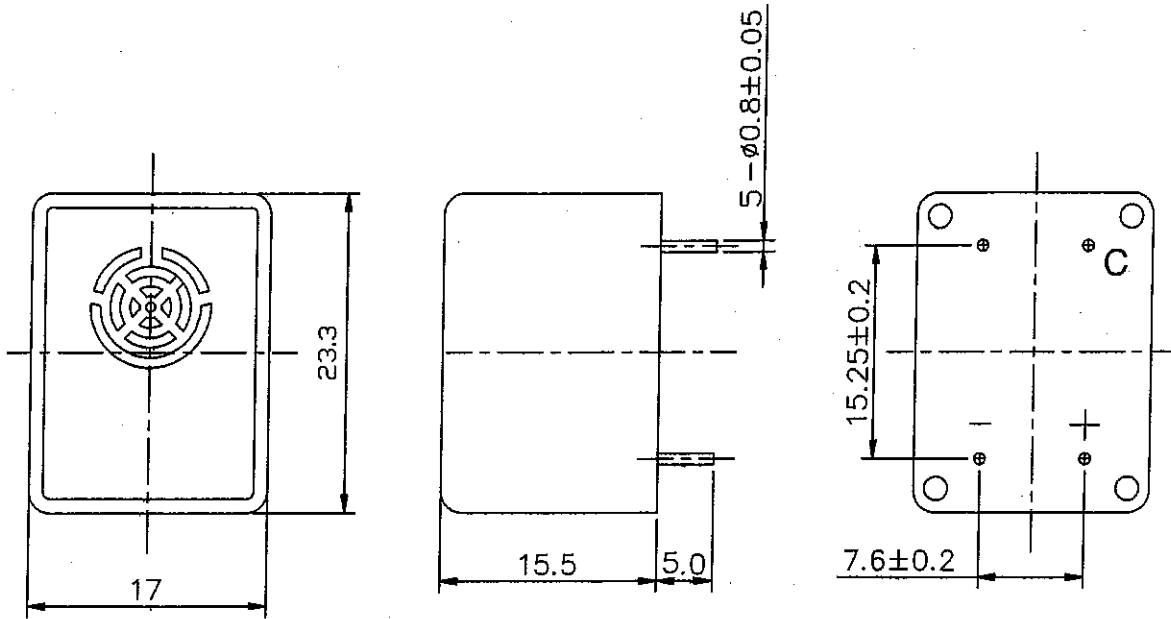
If the result is doubtful, should retested with the conditions below: Temp. 20±2°C, Humidity 60 ~ 70 %, Air pressure 860 ~ 1060 HPa.

※ Note: As this product is not protected from foreign material entering, please make sure that any foreign materials(e.g. magnetic powder, washing solvend, flux, corrosive gas)do not enter this product in your production processes. The functional degradation(e.g. SPL down)may occur if foreign material enter it.

Characteristic



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TITLE: SOUND TRANSDUCER DIMENSIONS		DRAWN:	SCALE: 2/1	SHEET: 1 OF 1
PART NO. SEM-8606(RoHS)		DESIGNED: R&D	UNITS: mm	
DWG NO.	1	CHECKED:	TOLERANCE ± 0.5	
		APPROVAL:	UNLESS OTHERWISE SPECIFIED:	
		MATERIAL: ABS (White)	ONE PLACE DECIMAL \pm ***	
REV			TWO PLACE DECIMAL \pm ***	
			THREE PLACE DECIMAL \pm ***	



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RELIABILITY TEST

Item	Test conditions	Evaluation standard
01	High temp. Storage life The part shall be capable of withstanding a storage Temperature of 70°C for 96 hours.	After the test the part shall meet specifications without Any degrance and performance except S.P.L S.P.L shall be 67dB or more.
02	Low temp. Storage life The part shall be capable of withstanding a storage Temperature of -30°C for 96 hours.	
03	The part shall be subjected 10 cycles. One cycle shall consist of; <div style="text-align: center;"> </div>	
04	The part shall be subjected 10 cycles. One cycle shall be 8 hours and consist of; <div style="text-align: center;"> </div>	



Item	Test conditions	Evaluation standard	
05	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 plane in each three mutually perpendicular planes for a total time Of 6 hours.	
06	Fixed drop	The part shall be mounted on 100g jig(standard pc board) and dropped from a height of 152cm onto a concrete floor 5 times in each 6 planes. (a total of 30 times)	After the test the part shall meet specifications
07	Free drop	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).	without Any degraance and performance except S.P.L
08	Operating life	<ol style="list-style-type: none"> 1. Ordinary temperature The part shall be subjected to 1000 hours at room temperature ($25 \pm 10^{\circ}\text{C}$) with 6V 400Hz applied. 2. High temperature The part shall be subjected to 500 hours at 60°C with 6V, 400Hz applied. 3. Low temperature The part shall be subjected to 500 hours at -20°C with 6V, 400Hz applied. 	S.P.L shall be 67dB or more.

