
SPECIFICATION FOR APPROVAL

Product	MAGNETIC BUZZER INDICATOR
Part No.	AX-1224-P
Customer Approval	

Approved By	Checked By	Made By



A & B Components

<http://www.speaker-tw.com>

AX-1224-P

Items		Units	Specifications				Conditions
01	Rated Voltage	VDC	24				Volts D.C.
02	Operating Voltage	VDC	8 ~ 30				Volts D.C
03	Mean Current	mA (Max)	30				Applying rated voltage
04	Direct Current Resistance	Ohm	None				
05	Sound Output	dBA (min)	85				Distance at 10cm,applying rated voltage
06	Basic Frequency	Hz	2600± 200				
07	Operating Temp.	°C	-30 ~ +75				
08	Storage Temp.	°C	-40 ~ +85				
09	Dimension	mm	Φ	12	Height	9.5	See attached drawing.
10	Weight	Gram	2.0				
11	Terminal		Two Pins				See attached drawing.

※Standard Conditions:

Temperature 15 ~ 35°C

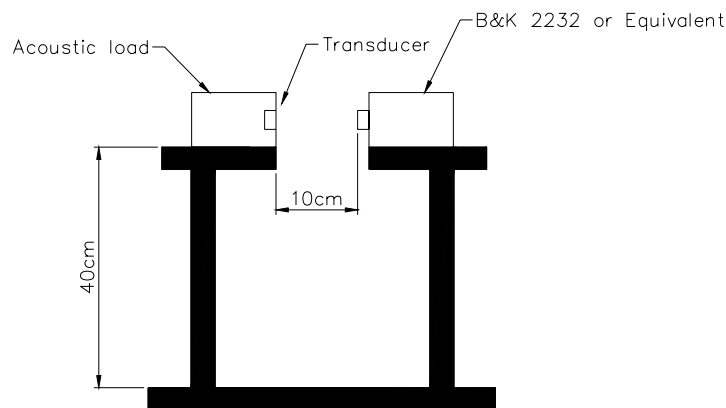
Humidity 25 ~ 80 %

Air pressure 860 ~ 1060 HPa.

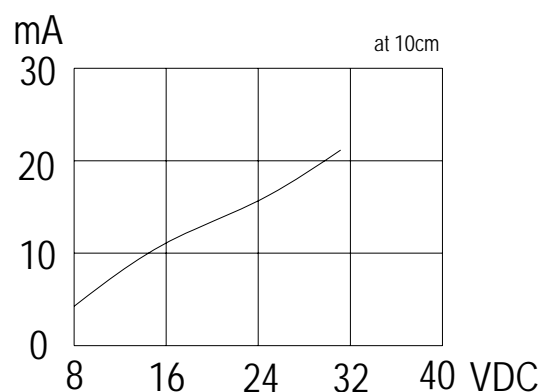
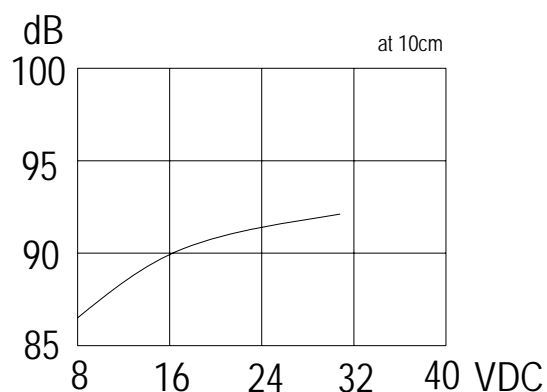
If the result is doubtful, should retested with the conditions below: Temp. 20±2°C ,Humidity 60 ~ 70 %, Air pressure 860 ~ 1060 HPa.

※Note: As this product is not protected from foreign material entering, please make sure that any foreign materials(e.g. magnetic powder, washing solved, 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.

STANDARD TEST FIXTURE



Characteristic

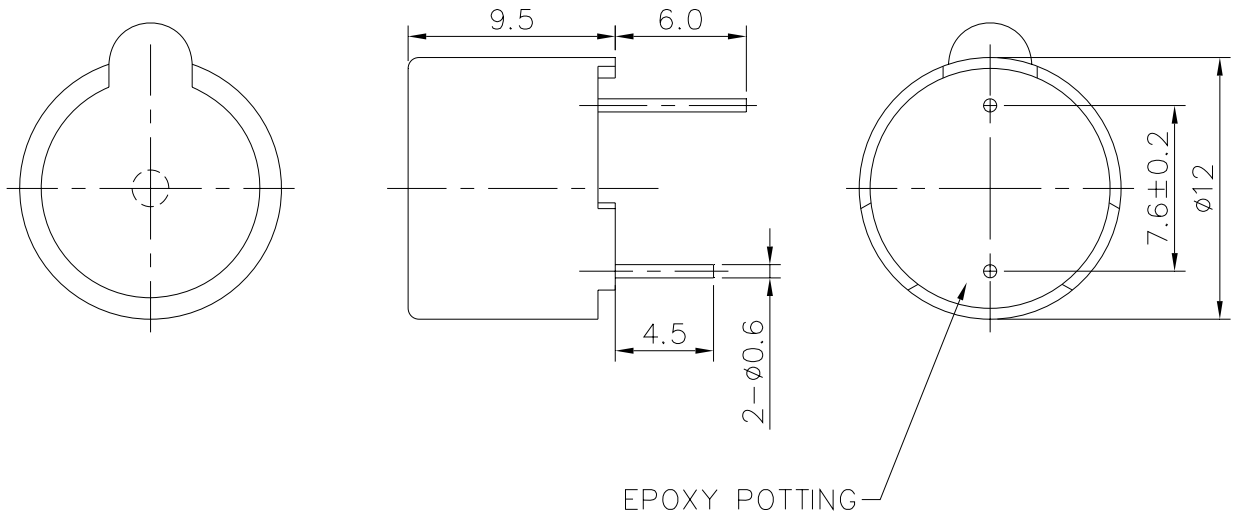


REV NO.

REVISION NOTE

APPROVAL

DATE



TITLE: SOUND TRANSDUCER DIMENSIONS

DRAWN: *Richard* 04/22/2002

SCALE: 3:1 SHEET: 1 of 1

PART NO. AX-1224-P

1

DESIGNED: R&D DEP.

UNITS: mm

CHECKED:

TOLERANCE ± 0.5

DWG NO. DTE-2039

REV

APPROVAL:

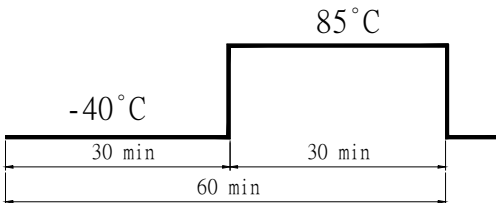
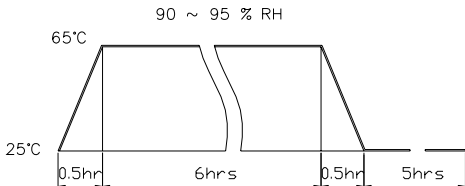
UNLESS OTHERWISE SPECIFIED:

MATERIAL: NORYL

ONE PLACE DECIMAL \pm ***TWO PLACE DECIMAL \pm ***THREE PLACE DECIMAL \pm ***

A & B Components

RELIABILITY TEST

Item		Test conditions	Evaluation standard
01	High temp.Storage life	The part shall be capable of withstanding a storage Temperature of 85°C for 96 hours.	<p>After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L</p> <p>S.P.L shall be 73dB or more.</p>
02	Low temp.Storage life	The part shall be capable of withstanding a storage Temperature of -40°C for 96 hours.	
03	Temp. cycle	<p>The part shall be subjected 10 cycles. One cycle shall consist of;</p> 	
04	Temp./Humidity cycle	<p>The part shall be subjected 10 cycles. One cycle shall be 12 hours and consist of;</p> 	
05	Operating life	<p>Rated Voltage applied.</p> <ol style="list-style-type: none"> Ordinary temperature The part shall be subjected to 1000 hours at room temperature (25 ±10°C) High temperature The part shall be subjected to 500 hours at 75°C Low temperature The part shall be subjected to 500 hours at -30°C 	
06	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.	

Item		Test conditions	Evaluation standard
07	Fixed drop	The part shall be mounted on 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 without Any degradation in appearance and performance except S.P.L S.P.L shall be 74dB or more.
08	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).	
09	Solder heat resistance	Soldering into solderbath : $350\pm 5^{\circ}\text{C}$ Soaking time : 3.5 ± 0.5 sec	
10	Solder ability	Soldering : $260\pm 5^{\circ}\text{C}$ / 5 Sec. $360\pm 5^{\circ}\text{C}$ / 1.5 Sec Soldering t into solderbath : $260\pm 5^{\circ}\text{C}$ / 2 sec.	
11	Lead strength	Pull lead with a force of 10N,on the direction of the lead axis for 10 : 10 ± 1 sec	
12	Washability	Solvent : deionized water Solvent temp. : $55\pm 5^{\circ}\text{C}$ Soaking time : 5 ± 0.5 min.	