

SPECIFICATION FOR APPROVAL

Product	PIEZO BUZZER
Part No.	2222A(RoHS)
Customer Approval	

Approved By	Checked By	Made By
ERIC April 26,2010	EMILY April 26,2010	LILY April 26,2010



SHOGYO INTERNATIONAL CORP.
6851 JERICHO TURNPIKE, SYOSSET, N.Y. 11791
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2222A(RoHS)

Items		Units	Specifications	Conditions
01	Rated Voltage	VDC	12	
02	Operating Voltage	VDC	3-20	
03	Rated Current	mA(Max)	10	At 12VDC
04	Sound Output At30cm	dBA(Min)	82	At 12VDC
05	Resonant Frequency	Hz	3200±500	
06	Tone Nature	Continuous		
07	Operating Temp.	°C	-20 ~ +60	
08	Storage Temp.	°C	-30 ~ +70	
09	Weight	g	2.8	

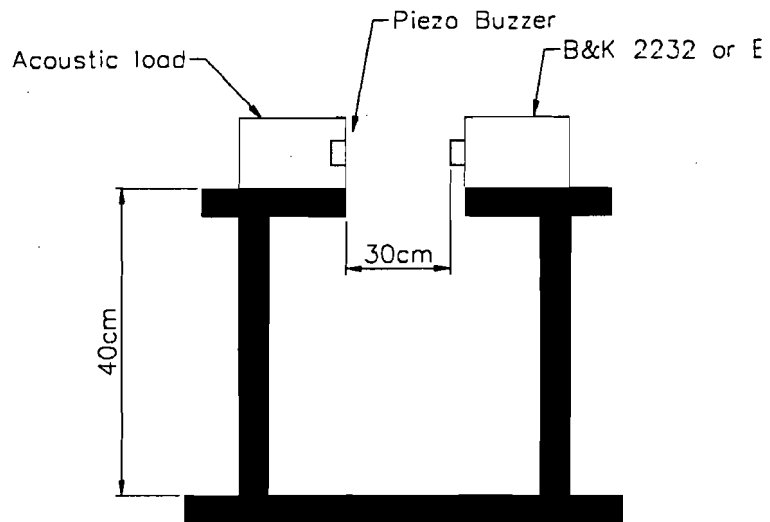
Measurement Condition

Test and measurement will be carried out under normal condition of temperature within 5°C to 35°C ,relative humidity within 45% to 85% and air pressure of 860mbar to 1060mbar. Should uncertainly arise in data obtained from the above atmosphere, control of temperature At 20°C±2°C and relative humidity within 60% and 70%, with air pressure remaining unchanged, To be enforced.

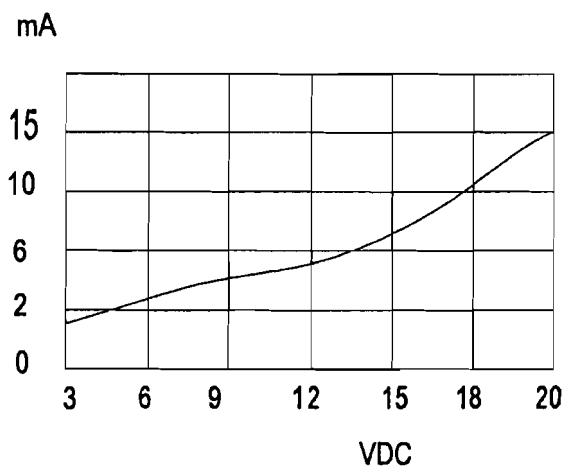
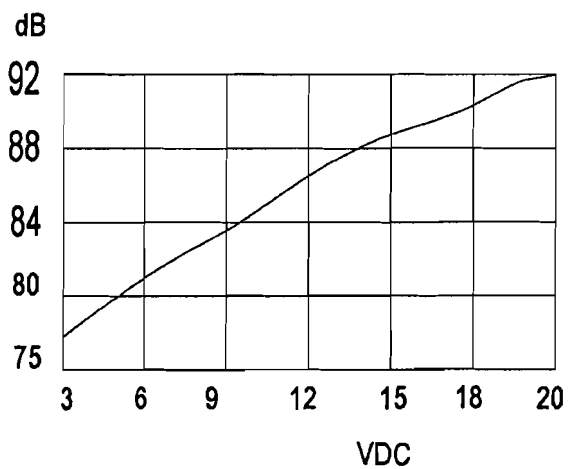


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STANDARD TEST FIXTURE



Characteristic



RELIABILITY TEST

2222A(RoHS)

Item	Conditions	Evaluation standard
01 Low Temp. Storage Test	A°C±2°C ,240Hr	(S.P.L)Test before numerical ±10dB (Frequency)Test before numerical ±10% (Current)Test before numerical ±10% (No crake is allowed on the part surface after Free drop test) ● After the test ,the part shall meet the specifications without any degradation in appearance and performance
02 High Temp.Storage Test	B°C±2°C RH50% ,240Hr	
03 Temp./Humidity Storage Test	40°C±2°C , RH90-95% 240Hr	
04 Thermal Shock Test	A°C±2°C (1Hr)→ ,20°C±2°C (1Hr) B°C±2°C (1Hr)→ ,20°C±2°C (1Hr)10 cycle	
05 Vibration Test	10-55Hz/1min amplitude1.5mm,X,Y,Z,3 directions	
06 Mechanical Shock Test	+100G,Sine wave, XYZ , 3 impacts per axis	
07 Free Drop Test	The part shall be dropped freely from a height of 75 cm onto concrete 1 time in 2 axes (total 4 times)	
08 Life Burning Test	The part shall be subjected to 48 hrs in the room temp with rated voltage applied	
09 Lead Wire / Pin Pull Test	The Part checking standard : Following supplier's Spec. Finished-part checking Standard vertical Pull i)100g MIN 0.05mm Thickness of ceramic ii)300g MIN 0.1mm ≤ Thickness of ceramic b: Horizontal Pull i)700g MIN	

Remark : "A" means Storage low temp. "B" means Storage high temp



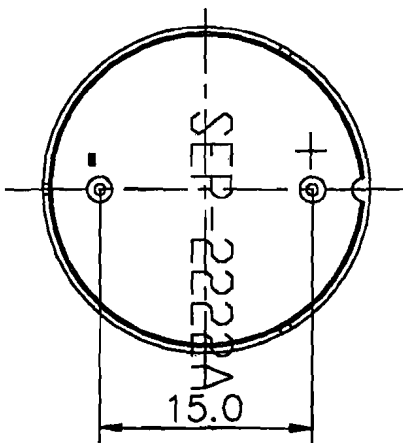
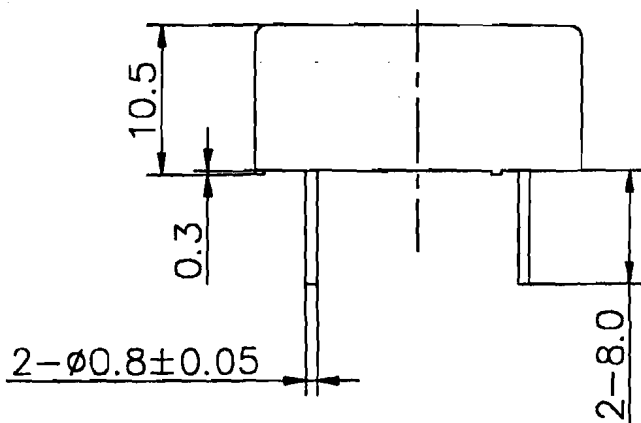
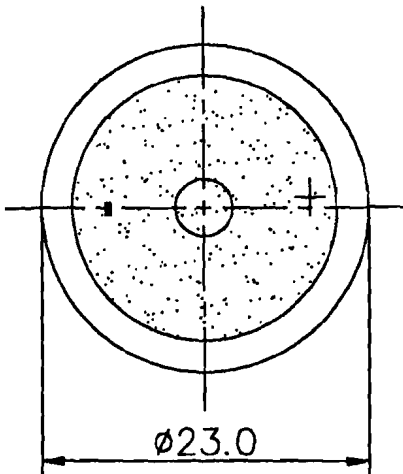
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REV NO.

REVISION NOTE

APPROVAL

DATE



TITLE: PIEZO BUZZER

DRAWN: 2004/05/29

SCALE: 2:1 SHEET: 1 of 1

PART NO. 2222A(RoHS)

DESIGNED: R&D

UNITS: mm

CHECKED:

TOLERANCE ± 0.5

APPROVAL:

UNLESS OTHERWISE SPECIFIED:

REV 1

MATERIAL: ABS

ONE PLACE DECIMAL \pm ***

TWO PLACE DECIMAL \pm ***

THREE PLACE DECIMAL \pm ***

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