Product Specification

Number: L-KLS3-MT-12*09-C

Name: Magnetic Transducer

Specification:

Customer:

Date: 2024-02-17

Customer Signature:

NINGBO KLS ELECTRONIC CO; LTD

Tel : 0086-574-86828566

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ADD : NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.

WWW.KLSELE.COM

Compile	Check	Review	Approval
Jenny	Jack.C		

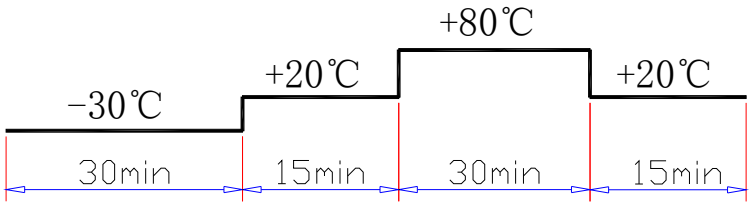
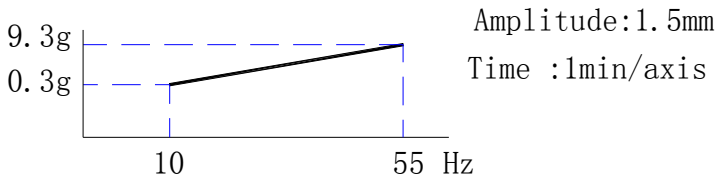
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1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

	Item	Unit	Specifications
1-1	Rated Voltage（Square Wave）	V	12
1-2	Operating Voltage	V	6-15
1-3	＊Rated Current（Max）	mA	40
1-4	＊Min Sound Output at 10cm	dB	85
1-5	＊Resonant Frequency	Hz	2400
1-6	Coil Resistance	Ω	140±14
1-7	Operating Temperature	℃	-30~+70
1-8	Storage Temperature	℃	-40~+85
1-9	Weight	g	2
1-10	Housing Material	NORYL	
1-11	Lead Pin Material	Red Copper（DSn）	

＊Value Applying at Rated Voltage（resonant frequency，1/2 duty，square wave）

2.ENVIRONMENTAL TEST

	Item	Specifications
2-1	Storage in High temp.	Storage in +85℃±2℃ test box for 240 hours，then expose to the room temperature for 2 hours without applying power.
2-2	Storage in Lower temp.	Storage in -40℃±2℃ test box for 240 hours，then expose to the room temperature for 2 hours without applying power.
2-3	Storage in Humidity	Storage in +40℃±2℃ 90-95%RH test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-4	Thermal cycle test.	 Make this test for 5 cycles without applying power,then expose to the room temperature for 2 hours.
2-5	Vibration test	 Make this test for the directions of X,Y, Z for 2 hours each (total 6 hours).
2-6	Drop test	Free drop a unit from the height 100cm to the surface of 10mm thick board ,three directions(X,Y,Z).
2-7	Solderability test	Soldering temp.:260±5℃ Heat applying time: 3±0.5sec.

PASS CRITERION :

After these tests , the change of S.P.L shall be within ±5 dB .

3.MEASURING METHOD(BUZZER MODE)

3-1 .Test Condition

3-1-1.STANDARD

Temperature : 25±3℃

Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

3-1-2.JUDGEMENT

Temperature : 15 ~ 35℃

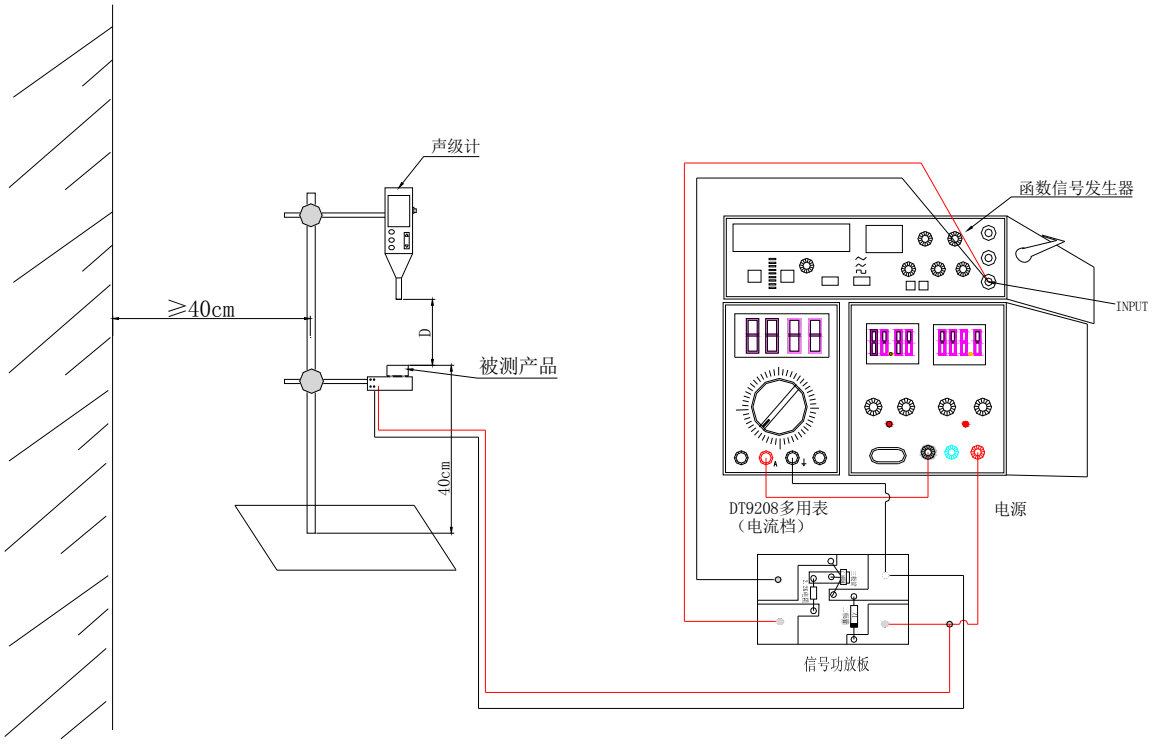
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

1.rated Voltage(Square wave):12V

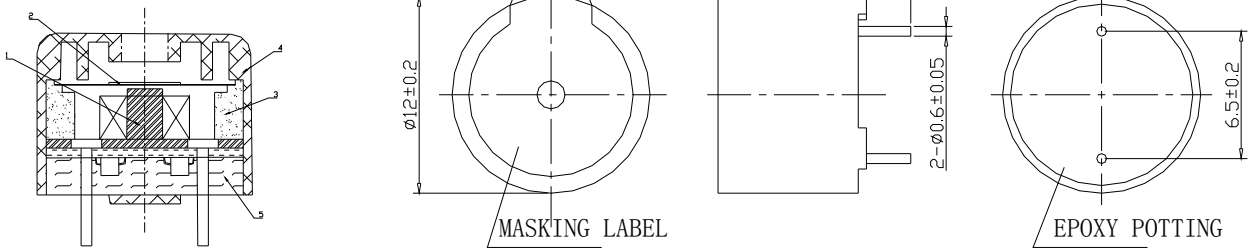
2.Resonant Frequency:2400Hz



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5.DIMENSIONS

Unless otherwise specified,tolerance:±0.5(unit:mm)



Cadmium(Cd)/Cndmium Compounds	≤100ppm
Lead（Pb）/ Lead Compounds	≤800ppm
Mercury（Hg）Merrcury Compounds	≤800ppm
Hexavalent-Chromium（Cr6+）Compounds	≤800ppm
PBB	≤800ppm
PBDE	≤800ppm

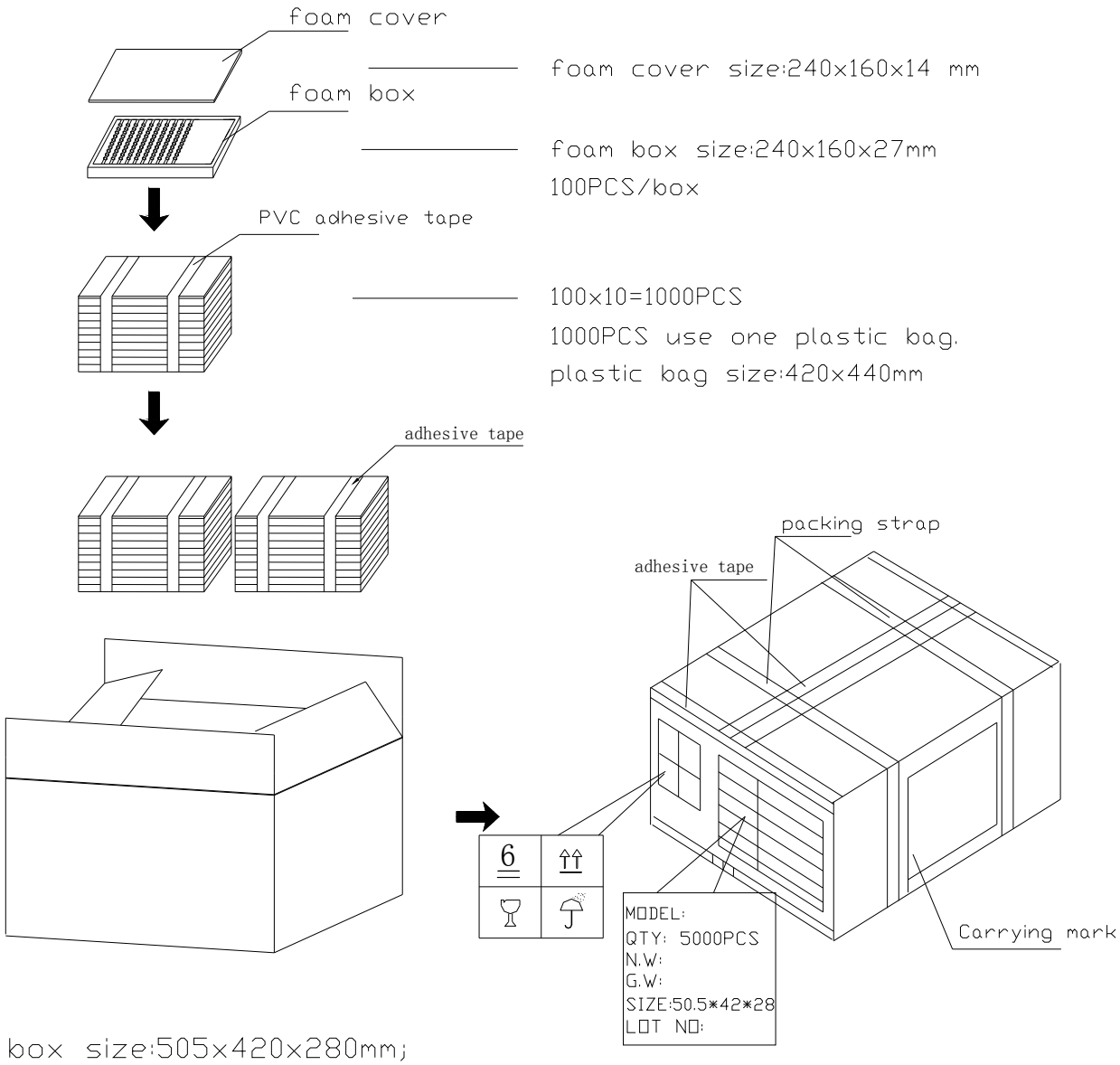
1） All parts must be meet to ROHS.

2） Wave solder and wash allowed.

8				
7				
6				
5	Potting		Exopy	
4	Housing	1	NORYL	
3	Magent	1	Ferrite	
2	Diaphragm	1	Iron	
1	Coil Part	1	Copper And Iron	
Part No.	Part Name	Q'TY	Material	Remark

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7.PACKING



foam cover size:240x160x14 mm

foam box size:240x160x27mm
100PCS/box

100x10=1000PCS
1000PCS use one plastic bag.
plastic bag size:420x440mm

box size:505x420x280mm;
1000x5=5000pcs/box