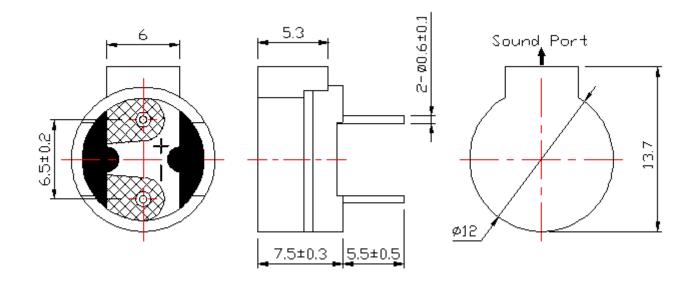
A. SCOPE

This specification applies Externally driven magnetic buzzers, L-KLS3-MT-12*7.5

B. SPECIFICATION

No.	ltem	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2731	Vo-p=1/2duty , square wave
2	Operating Voltage	Vo-p	1~3	
3	Rated Voltage	Vo-p	1.5	
4	Current Consumption	mA	MAX. 70	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 80	at 10cm at Rated Voltage
6	Coil Resistance	Ω	16±3	
7	Operating Temperature	$^{\circ}$	-40 ~ +85	
8	Storage Temperature	$^{\circ}\!\mathbb{C}$	-40 ~ +105	
9	Dimension	mm	Ф12 х Н7.5	See appearance drawing
10	Weight (MAX)	gram	1.0	
11	Housing Material		PPO(Black)	
12	Leading Pin		Tin Plated Brass(Sn)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

C. APPEARANCE DRAWING



Tol: ± 0.5 Unit: mm



D.TESTING METHOD Standard Measurement conditions

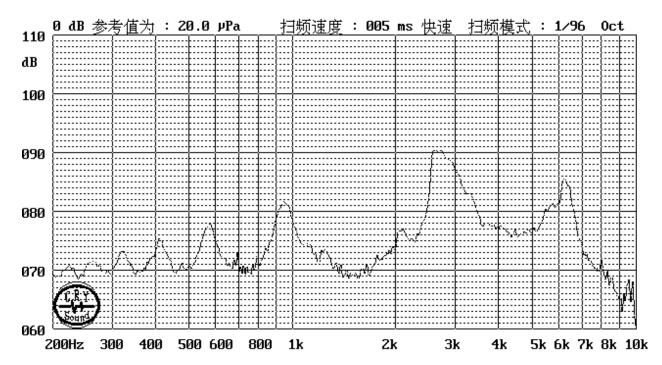
Temperature:25±2°C Humidity:45-65%

Acoustic Characteristics:

The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below(Recommend Driving Circuit)

In the measuring test, buzzer is placed as follows:

E. Typical Frequency Response Curve





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F. RELIABILITY TEST

ITEM

NO.

1	High Temperature Test (Storage)	After being placed in a chamber with 80±2°C for 96 hours and then			
1		being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.			
	T. T.	After being Placed in a chamber with -30±2°C for 96 hours and then			
2	Low Temperature	being placed in normal condition for 2 hours.			
	Test (Storage)	Allowable variation of SPL after test: ±10dB.			
		After being Placed in a chamber with 90-95% R.H. at 40±2℃ for 96			
3	Humidity Test	hours and then being placed in normal condition for 2 hours.			
		Allowable variation of SPL after test: ±10dB.			
	Temperature Cycle Test	The part shall be subjected to 5 cycles. One cycle shall be consist of:			
		+70 ° C			
		+25°C +25°C			
4					
		-20°C			
		0.5hr 0.5 0.25 0.5 0.5 0.25			
		3hours			
		Allowable variation of SPL after test: ±10dB.			
	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 times,			
5		at the height of 75cm.			
		Allowable variation of SPL after test: ±10dB.			
	Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for			
6		2 hours.			
		Allowable variation of SPL after test: ±10dB.			
	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then			
7		immersed in solder bath of +300±5°C for 3±1 seconds.			
'		90% min. lead terminals shall be wet with solder			
		(Except the edge of terminals).			
8	Terminal Strength	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds.			
8	Pulling Test	No visible damage and cutting off.			
TEST CONDITION					

TEST CONDITION AND REQUIREMENT

TEST CONDITION.

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

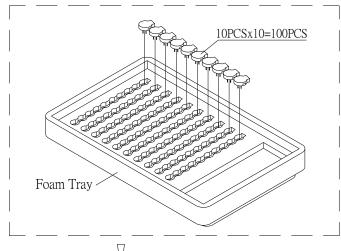
 一般测试条件
 : a) 温度: +5 ~ +35 ℃
 b) 湿度: 45-85%
 c) 气压: 860-1060mbar

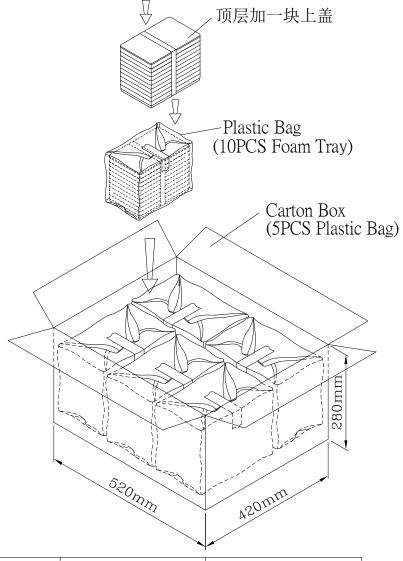
 Judgment Test Condition
 : a) Temperature: +25 ± 2 ℃
 b) Humidity: 60-70%
 c) Pressure: 860-1060mbar

 争议时测试条件
 : a) 温度: +25 ± 2 ℃
 b) 湿度: 60-70%
 c) 气压: 860-1060mbar



G. PACKING STANDARD





Foam Tray	240mmx160mmx30mm	1x100PCS=100PCS
Plastic Bag		10x100PCS=1000PCS
Carton Box	520mmx420mmx280mm	5x1000PCS=5,000PCS

