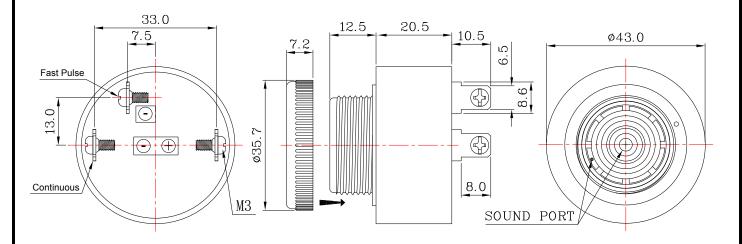
A. SCOPE

This specification applies Internally driven piezo buzzer, L-KLS3-PB-43*33-3P

B. SPECIFICATION

No.	ltem	Unit	Specification	Condition
1	Oscillation Frequency	KHz	2.9±0.5	
2	Operating Voltage	VDC	10 ~28	
3	Rated Voltage	VDC	12	
4	Current Consumption	mA	MAX. 30	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 90	at 30cm at Rated Voltage
6	Tone		Continuous+Fast Pulse	
7	Operating Temperature	$^{\circ}\!\mathbb{C}$	-40 ~ +80	
8	Storage Temperature	$^{\circ}\!\mathbb{C}$	-40 ~ +105	
9	Dimension	mm	Ф43.0 х Н33.0	See appearance drawing
10	Weight (MAX)	gram	38.5	
11	Housing Material		ABS(Black)	
12	Leading Pin		Plating (Ni)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

C. APPEARANCE DRAWING



Tol: ± 0.5 **Unit**: mm

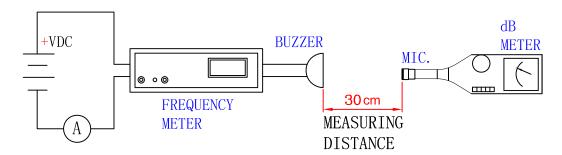
D.TESTING METHOD

Standard Measurement conditions

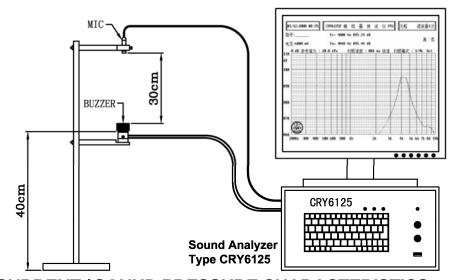
Temperature:25±2°C Humidity:45-65%

Acoustic Characteristics:

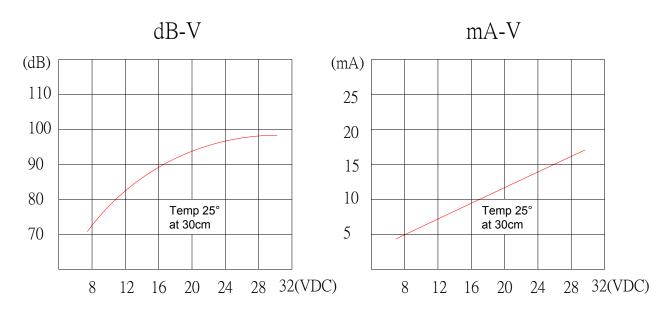
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



In the measuring test, buzzer is placed as follows:



E. VOLTAGE / CURRENT / SOUND PRESSURE CHARACTERISTICS





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F. RELIABILITY TEST

ITEM

NO.

1	High Temperature Test (Storage)	After being placed in a chamber with 70±2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.		
2	Low Temperature Test (Storage)	After being Placed in a chamber with -30±2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.		
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40±2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.		
4	Temperature Cycle Test	The part shall be subjected to 5 cycles. One cycle shall be consist of: +60°C +25°C +25°C +25°C -20°C Allowable variation of SPL after test: ±10dB.		
5	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 75cm . Allowable variation of SPL after test: ±10dB.		
6	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 2 hours . Allowable variation of SPL after test: ±10dB.		
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then 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 Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.		

TEST CONDITION AND REQUIREMENT

TEST CONDITION.

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

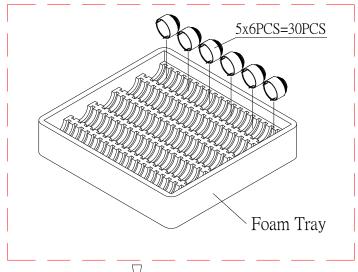
 一般测试条件
 : a) 温度: +5 ~ +35 ℃
 b) 湿度: 45-85%
 c) 气压: 860-1060mbar

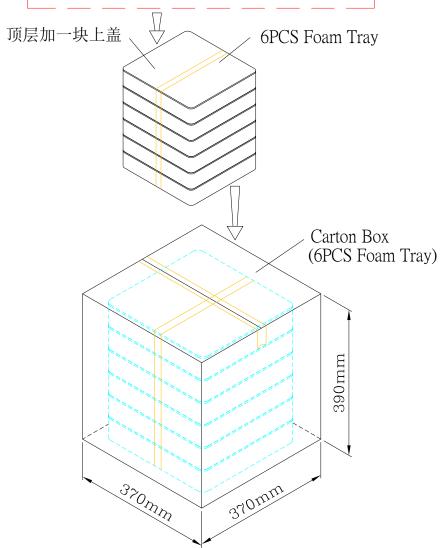
 Judgment Test Condition
 : a) Temperature: +25 ± 2 ℃
 b) Humidity: 60-70%
 c) Pressure: 860-1060mbar

 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	300mmx280mmx60mm	1x30PCS=30PCS
Carton Box	370mmx370mmx390mm	6x30PCS=180PCS

