1.Scope

This specification is applied to Piezo Buzzer (Self-Drive Type)

The product describe below are used for buzzer in various alarm systems.

2.Basic Condition

2.1 Rated Voltage:12VDC

2.2 Operating Voltage:8~16VDC

2.3 Operating Temperature Range:-20 ºC~+70 ºC

2.4 Storage Temperature Range:-30ºC~+80 ºC

3.Electrical Characteristics
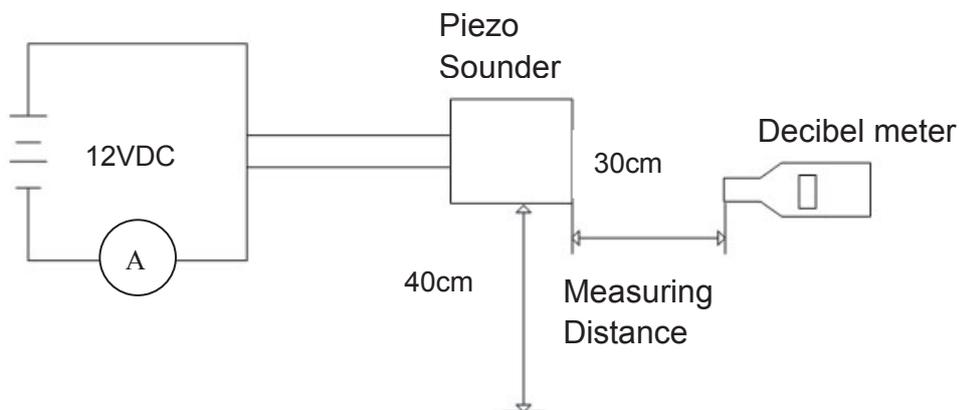
3.1 Sound Press Level:≧90dB at 30cm / 12VDC

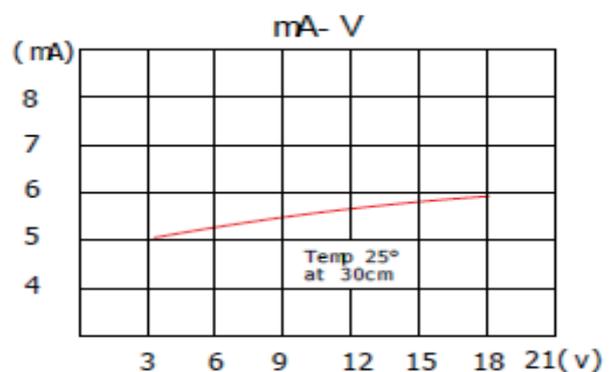3.2 Consumption Current:≦8mA at 12VDC

3.3 Resonate Frequency:3800Hz±300Hz
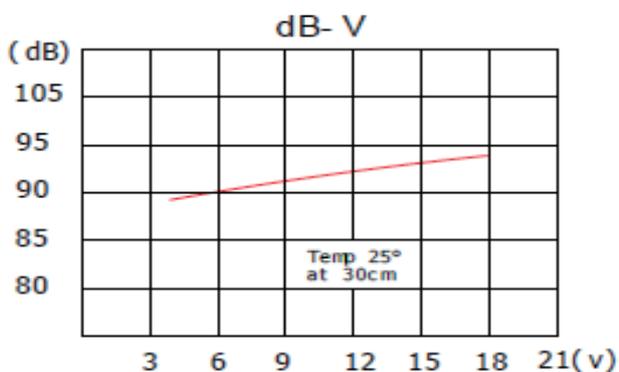
3.4 Tone Nature:Continuous Sound

3.5 Material:ABS

4.Measuring Method

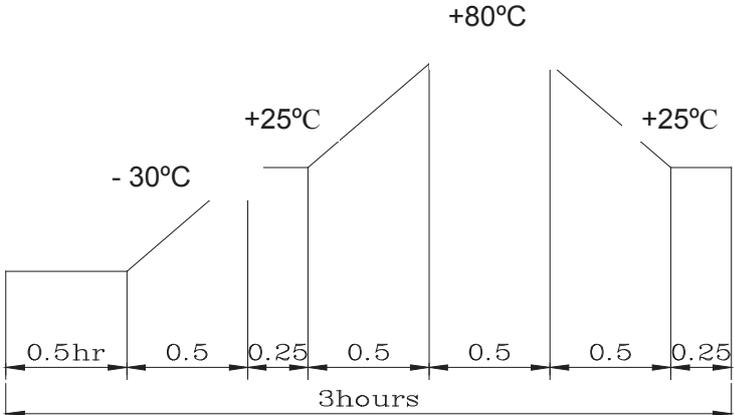# 5.Sound Press Level & Consumption Current Curve

TEST REPORT

Product No:20EB020   **Date: 2010-9-24**

#	dB	mA	Hz	#	dB	mA	Hz
1	98	5.4	3926				
2	99	4.2	3941				
3	99	5.5	3890				
	以下空白						

Remark:

    (1)Sound Press Level：≧90dB at 30cm / 12VDC

    (2)Consumption Current：≦8mA at 12VDC

    (3)Resonate Frequency：3800Hz±500

Approved BY:陳毓宏   **Auditing BY:**陳逸閩   **Checked BY:** 李秋蓉

6.Environment Test Method

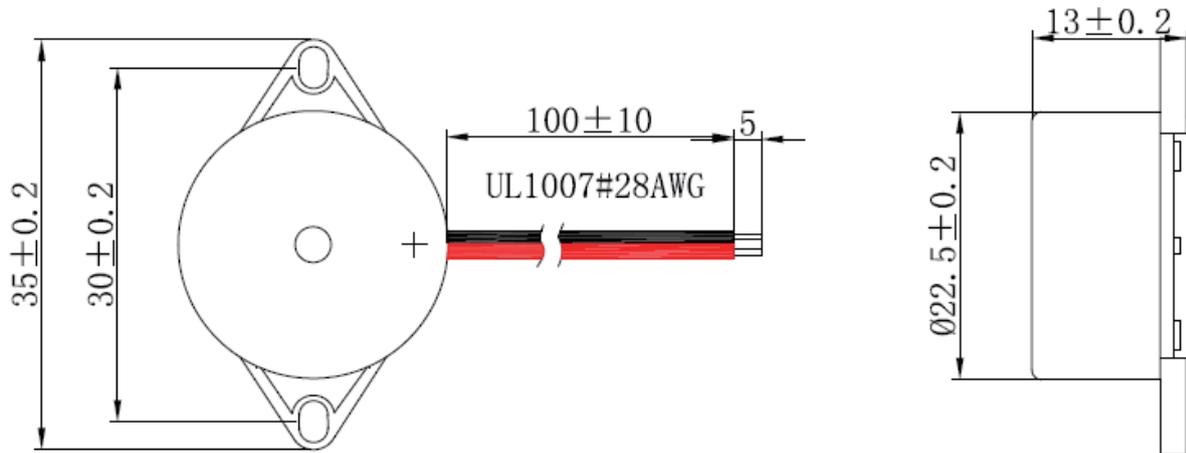| NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 80±2ºC for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.
2	Low Temperature Test (Storage)	After being Placed in a chamber with -30±2ºC 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±2ºC 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： +80ºC +25ºC +25ºC - 30ºC 0.5hr 0.5 0.25 0.5 0.5 0.5 0.25 3hours 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 100cm. Allowable variation of SPL after test: ±10dB.
6	Vibration Test	After being applied vibration of amplitude of 1.5mmwith 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	Solder ability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300±5ºC for 3±1 seconds.90% min. lead terminals shall be wet with solder (Except the edge of terminals).
8	Terminal / Wire 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.

7.Reliability Test

Continuous life test:
250 Hours continuous operating at +70 ºC with maximum rated voltage applied .
Intermittent life test:
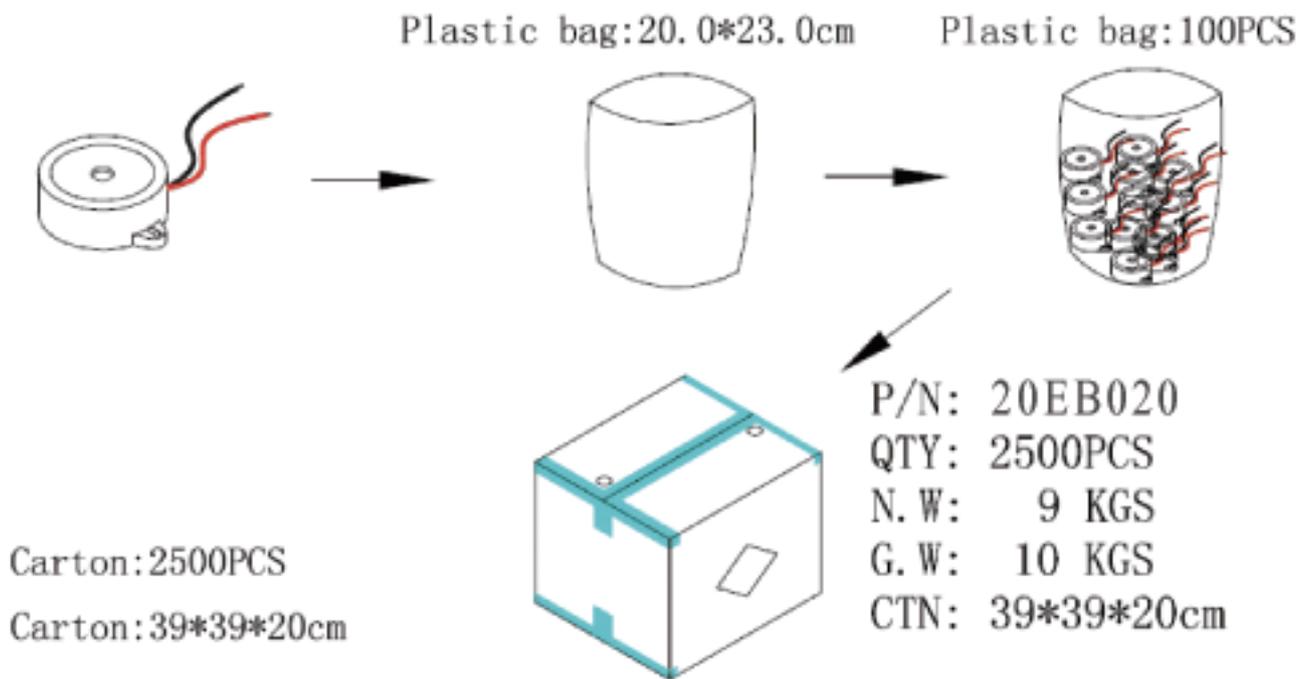Aduty cycle of 1 minute on, 5 minutes off,a minimum of 10000 times at temperature +25 ºC±2

8.Dimension

35±0.2
30±0.2

100±10
UL1007#28AWG

5

+

13±0.2
Ø22.5±0.2

Tolerance ±0.5mm

9.Packing List

Plastic bag:20.0*23.0cm

Plastic bag:100PCS

Carton:2500PCS

Carton:39*39*20cm

P/N: 20EB020
QTY: 2500PCS
N.W: 9 KGS
G.W: 10 KGS
CTN: 39*39*20cm

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