1.Scope

This specification is applied to Electronic Siren

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 Output Power:15W

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

2.5 Storage Temperature Range:-30ºC~+85ºC

3.Electrical Characteristics

3.1 Sound Press Level:≧110dB at 100cm / 12VDC

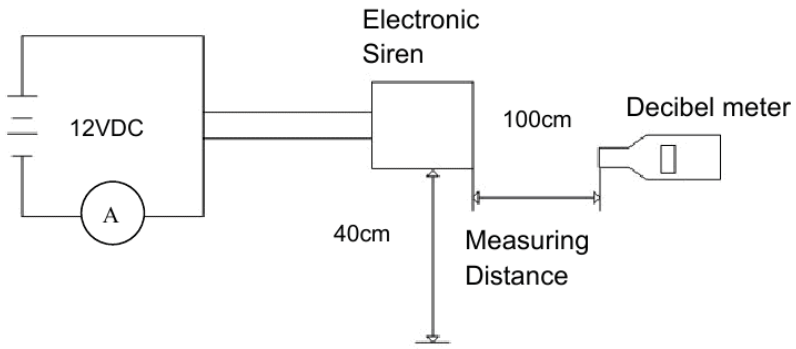
3.2 Consumption Current:≦600mA at 12VDC

3.3 Coil Impedance:8Ω±3

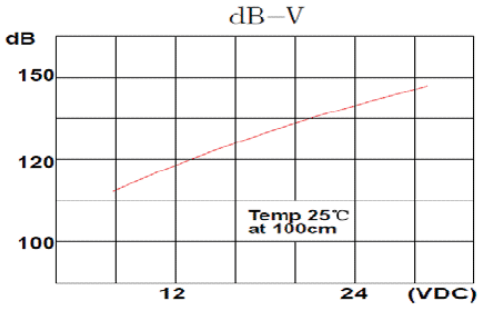
3.4 Tone Nature: One Tone (Dual Alarm)

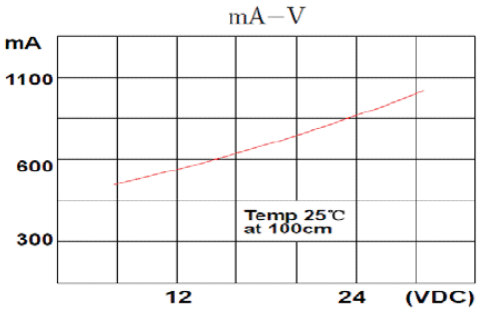
3.5 Material: ABS / PP / PC

4.Measuring Method



5.Sound Press Level & Consumption Current Curve





TEST REPORT

Product No:HSS-45-1551-12V **Date:2011-7-13**

#	dB	mA	Ω	#	dB	mA	Ω
1	111	510	7.6	28			
2				29			
3				30			
4				31			
5				32			
6				33			
7				34			
8				35			
9				36			
10				37			
11				38			
12				39			
13				40			
14				41			
15				42			
16				43			
17				44			
18				45			
19				46			
20				47			
21				48			
22				49			
23				50			
24				51			
25				52			
26				53			
27				54			

Remark:

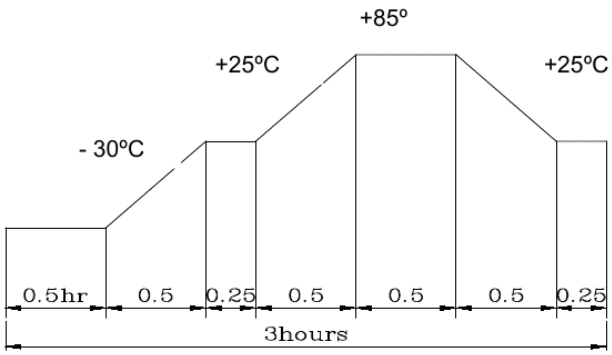
(1)Sound Press Level：≧110dB at 100cm /12VDC

(2)Consumption Current：≦600mA at 12VDC

(3)Coil Impedance：8Ω±3

Approved BY:陳毓宏 **Auditing BY:**游惠雪 **Checked BY:**李秋蓉

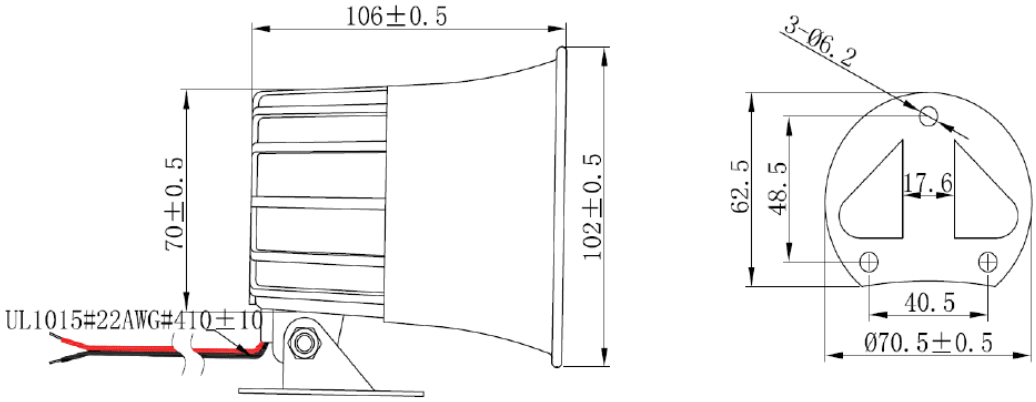
6.Environment Test Method

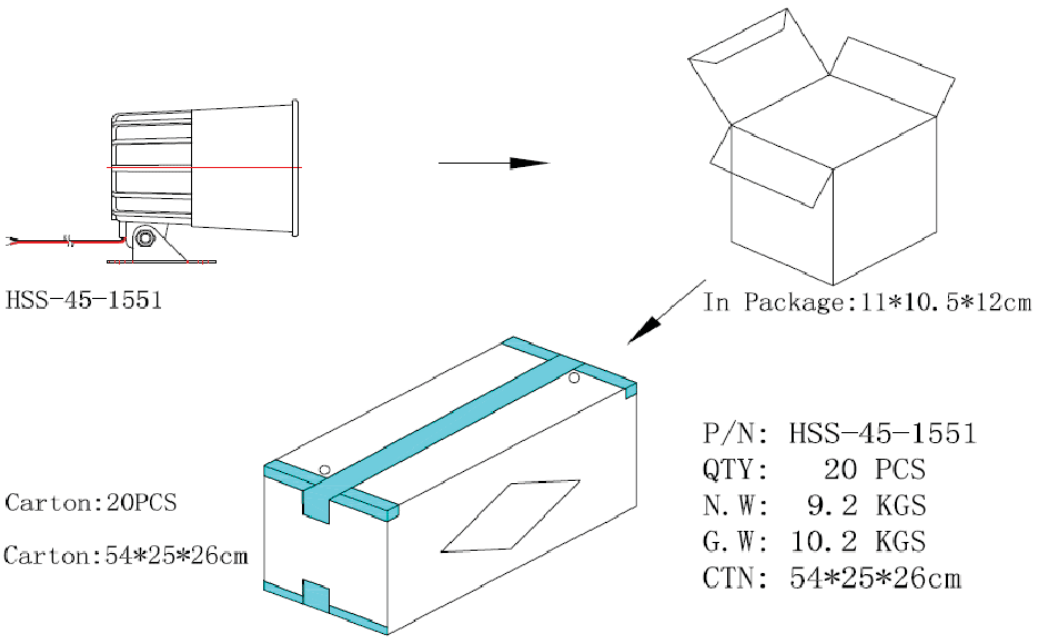
NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 85±2ºC for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.
2	Low Temperature Test (Storage)	After being placed in a chamber with -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:  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 +270±5ºC for 5±1 seconds.90% min. lead terminals shall be wet with solder. Hand Soldering 360±5℃ for 1.5 Sec. Recommend using constant searing-iron
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



Tolerance ±0.5mm

9.Packing List