

# SPECIFICATION FOR APPROVAL

## 規 格 書

Customer (客戶): \_\_\_\_\_

Customer's Part No: \_\_\_\_\_  
(客戶型號)

Our Part No : \_\_\_\_\_ 30120N01-8C330-12I28+  
(本廠型號)

Date (日期) : \_\_\_\_\_ 2012-11-27

Environment Request: (環境標準)

NON-ROHS (非 ROHS 標準)       ROHS (ROHS 標準)

OTHERS (其他) : \_\_\_\_\_

### CUSTOMER'S APPROVED SIGNATURE



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	DESIGNED	CHECKED	APPROVED
Signature	Junteng Ai	Zhongtao Qi	M.H.Cai
Date	2012-11-27	2012-11-27	2012-11-27

# Revision History

## 變更記錄

No. 序號	Date 日期	Description 變更內容	Reason 變更理由	Revision 變更表示

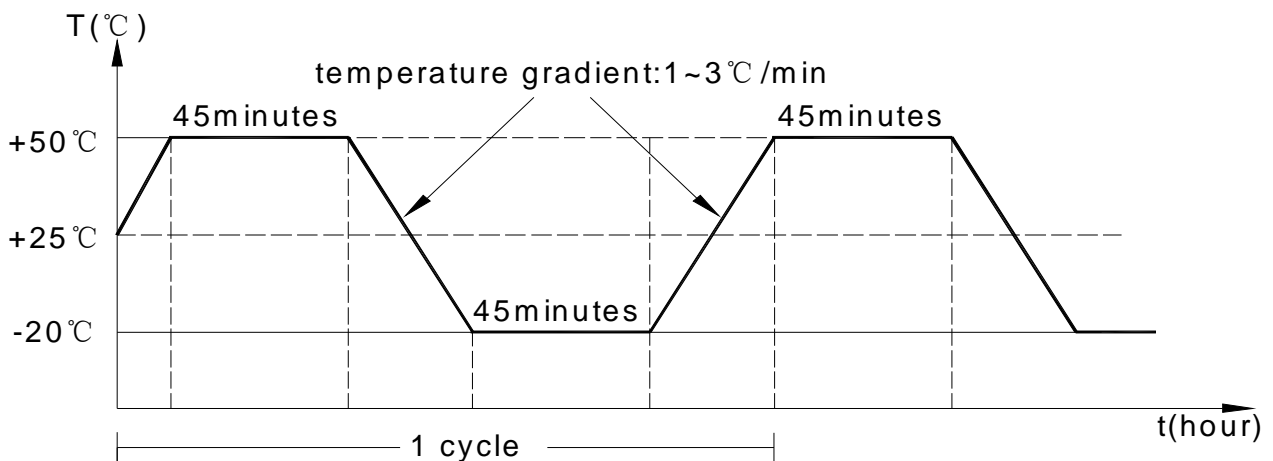
## Loud Speaker Specification

Part No.	Customer's Part No 顧客型號		Customer's code 顧客編號	PS-195
	Our Part No 本廠型號	30120N01-8C330-12I28+		Revision 版本
No.	Item 項目	Specification 規格	Testing Condition 測試條件	
1.	Rated impedance 共稱阻抗	8ohm±15%	@1 kHz 1.0 Vrms	
2.	Resonance Freq 最低共振頻率 fo	330Hz±20%	Without Baffle	
3.	Output S.P.L. 輸出音壓	103±3dB	@0.1m 10 W 600, 800, 1k, 1.2kHz Average	
4.	Rated Power 額定功率	10 W	@8.94 Vrms	
5.	Max Power 最大功率	12 W	@9.79Vrms	
6.	Frequency Range 實效頻寬	fo ~ 20kHz		
7.	Reliability Test 可靠性試驗	Must Be Normal at Rated Frequency Range	Program Source 10 W fo ~ 20kHz	
8.	Buzz & Rattle Test 異常音試驗	Should not be audible buzz and rattle at Rated Frequency Range 無異常聲	Sinusoidal Input (正弦波輸入) @ 8.94 Vrms / fo ~ 20kHz	
9.	Distortion 失真	5% Max	Rated Power Input 1000Hz	
10.	Magnet 磁鐵	Size: Φ12.5×3.0mm N35		
11.	Operating Temperature 工作溫度	-20°C to +60°C		
12.	Storage Temperature 儲存溫度	-30°C to +60°C		
13.	Weight 重量	44.5g/PCS		

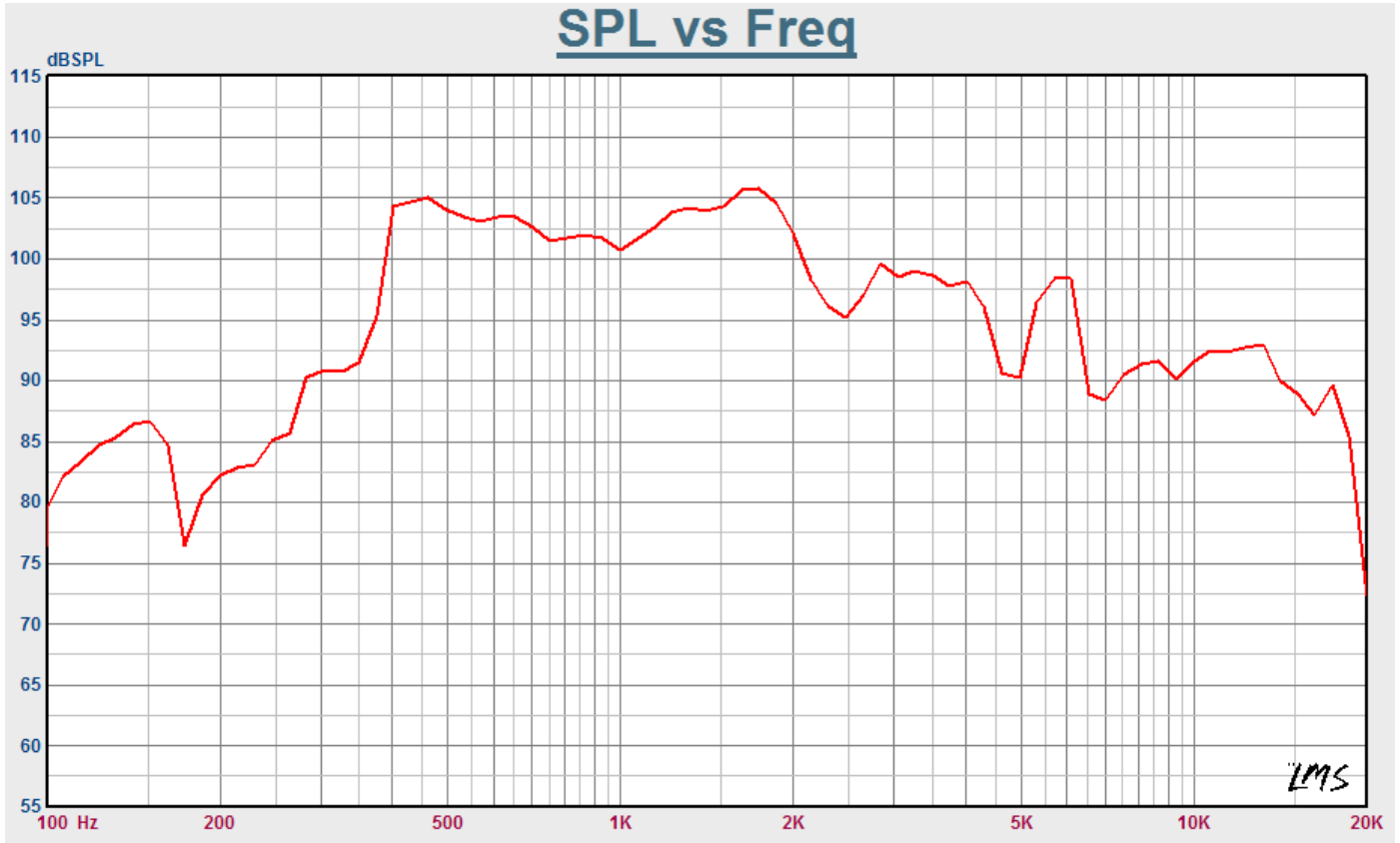
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14.	Cold Test 耐寒試驗	Must be normal after having been in a test chamber for 96 hours at the condition of $-20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and then left 2 hours in a room. ( $-20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ , 96 小時試驗室溫兩小時後, 無異常)
15.	Heat Test 耐熱試驗	Must be normal after having been in a test chamber for 96 hours at the condition of $+60^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 90~95% R.H and then left 2 hours in a room. ( $+60^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 90~95% R.H 96 小時試驗常溫 2 小時後, 無異常的不良)
16.	Load Test 連續負荷試驗	Must be normal after load test :white noise 10 W, 96 hours. At rated frequency range(白噪音 10 W 連續 96 小時試驗後無異常的不良)
17.	Instantaneous Maximum Power test 瞬間最大功率測試	Test for 1 hour under maximum power. Input shall be white noise in rated frequency response. And the signal will be 1 second on, 59 seconds off, total 60 cycles at rated frequency range, Must be normal after the test (白噪音 12 W, 1 秒開 59 秒關, 連續 60 迴圈, 試驗後無異常之不良)
18.	Polarity 極性	When a positive D.C current is applied to the voice terminal marked + or white, the diaphragm shall move forward (端子的正極輸入電流, 振動板向前方向運動)
19.	Drop Test 跌落試驗	Drop the speakers contained in normal box onto a board 5mm thick 2 times from a height of 1.0m . Must be normal after the test (在厚 5mm 的木板上從 1.0m 的高度跌落 2 次, 無異常不良)
20.	Terminal strength 端子強度	A static load of 5.0N shall be applied to the terminals for 10s in any direction between terminal block and frame and between terminal block and fasten terminal. Must be normal after the test (端子板和支架或焊片任一方向上 5.0N 的力 10s 無異常)

**Temperature Cycle Test (5 cycle)**



Frequency Response

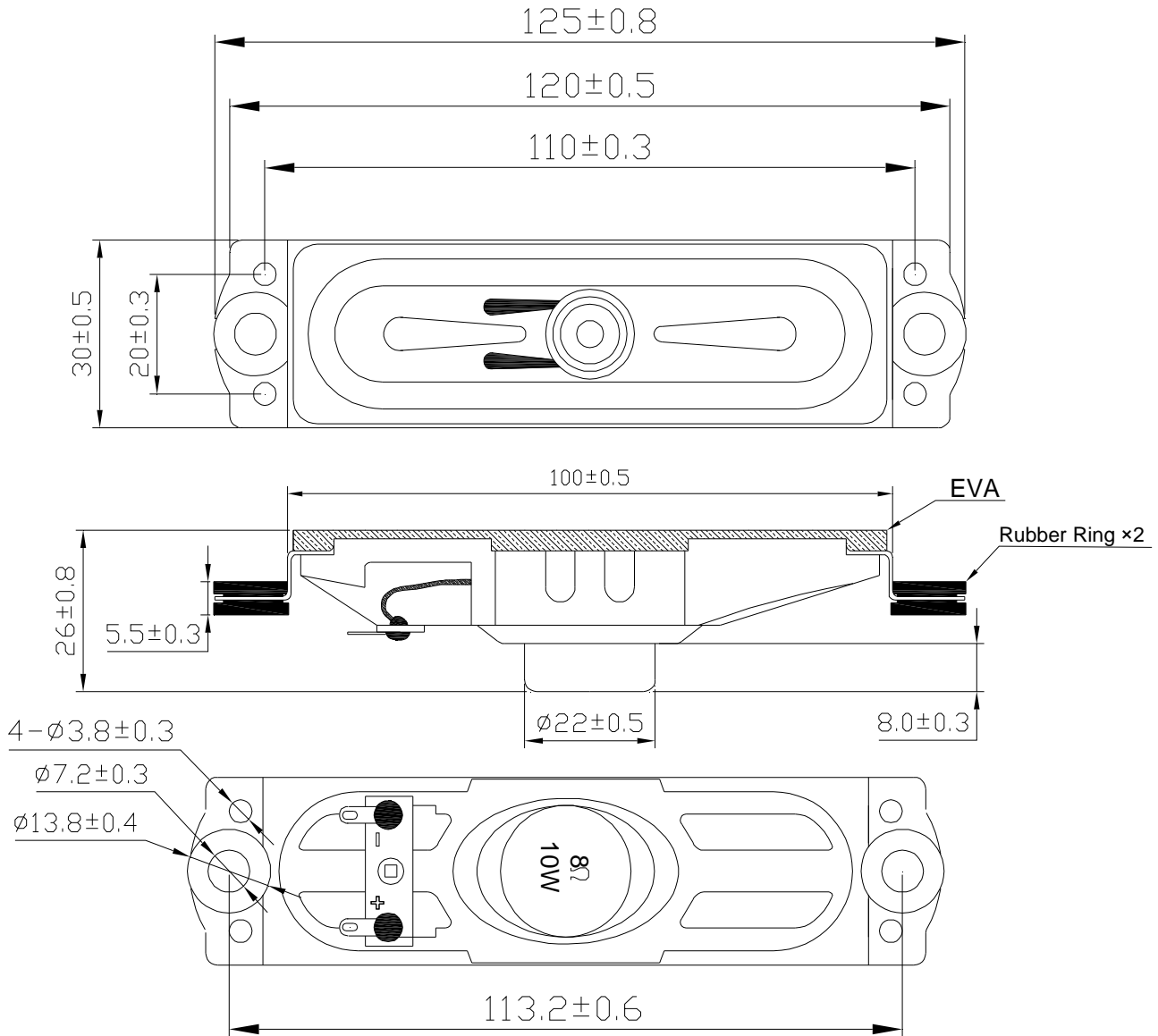


Acoustic Test(纯音检听)

Testing Method 測試方法	
Item 步驟	Testing Condition 測試條件
1. Testing voltage 測試電壓	8.94 Vrms
2. Testing Frequency Range 測試頻率範圍	From fo to 20kHz
3. Sweeping speed 掃描速度	S≥0.8s/Cycle
4. Testing method 測試方法	The distance from speaker to tester's ear is about 30cm, the sound should be pure and without any noise. 距離測試者耳朵 30cm 處監聽,聲音清純無異常音為 OK

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### Dimensions

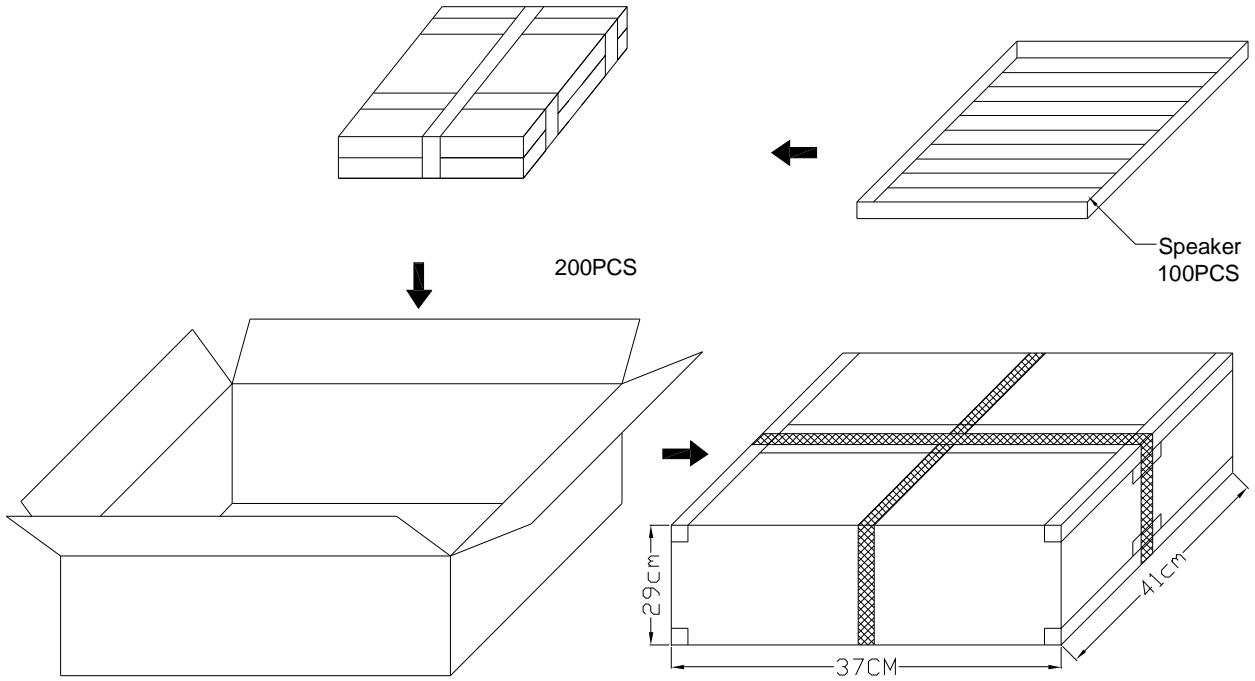


Unit: mm  
Tolerance:  $\pm 0.2$

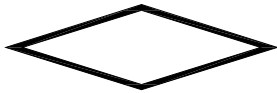
NOTE:

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### Packing



正唛 Main Mark



MODEL:  
QUANTITY: PCS  
C/NO.

侧唛 Side Mark



G.W. KG  
N.W. KG  
VOL: 41 × 37 × 29CM

NOTE:  
200PCS/Carton