

承認書

SPECIFICATION FOR APPROVAL

客戶(Customer): _____
客戶料號(Customer P/N): _____
機種編號(Files No.): FS2015-12-027
機種型號(Model No.): RB-50090802
品名(Description): SPEAKER(RoHS)
規格(Specification): 8Ω 0.5W

客戶承認欄 (Customer Authorization Signature)	供應商 (Supplier Audit)		
	Approver	Checker	Author
			卢丽珍
日期: 2015 年 12 月 17 日			

Revision History

Version	Date	Description	Author
A0	December 17, 2015		卢丽珍

东莞市富新电子有限公司

DONGGUAN FUXIN ELECTRONIC CO., L.T.D.

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Above Measuring condition under temperature : 25~35°C R.H. 25 ~75%. According to standard GB/T9396-1996

	Model	RB-50090802		
1	Type	Dynamic Speaker		
2	Dimension	Outline Dimension Shall Be As Shown In Fig(1).		
3	Weight	Approx 13.2 Grams.		
4	Magnet	Material	Nd-Fe-B	
5	Impedance	8 ± 15% Ohm at 1000Hz. 1V		
6	Power Rating	Normal	0.5W	Maximum 1.0W
7	FO	600±20% Hz		
8	S.P.L.	98±3dB/0.5Watt 0.1Meter. Average At 1000,1200,1500,2000Hz.		
		Measurement Method Shown In Fig(2).		
9	Frequency Range	F0~10,000Hz.Average SPL 10dB. Frequency Response Fig (3).		
10	Distortion	10% Maximum At 1000Hz 0.5W.		
11	Abnormal Sound Test	Must be Normal Tested by 2.0 Volts. Sine wave for50~5kHz		
12	Polarity	Diaphragm Shall Move Forward When Apply a Positive DC.		
		Red "+" or "Marked" Terminal		
13	Operating Temperature	-25°C to +65°C		
14	Storage Temperature	-25 °C to +65 °C		

15	Reliable Test	After any following test leave speakers at room temperature for 1 hour, SPL shall not deviate by ± 3 db from initial value		
15-1	Load Test	white noise for 96 hours at 0.5 W input power.		
15-2	High Temperature Test	+65±2 °C 96hours		
15-3	Low Temperature Test	-25±2 °C 96hours		
15-4	Humidity Test	+40±2 °C relative humidity 90~95%R.H 96hours		
15-5	Vibration Test	Frequency 30 ± 15 Hz, Amplitude 1.5 mm for 2 Hours per axis(x. y. z axis)		
15-6	Temperature Cycle test	-25~ + 65 °C 5 Cycles Temperature test.		

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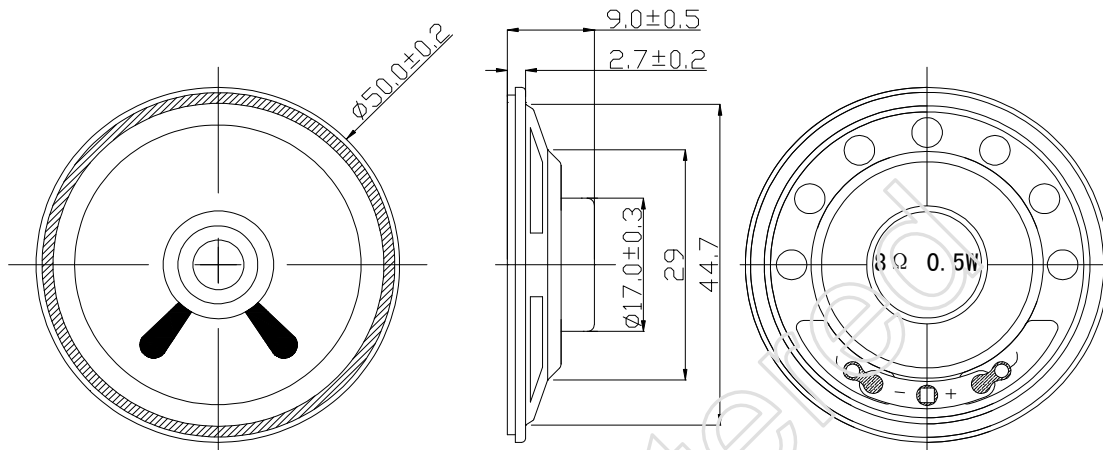
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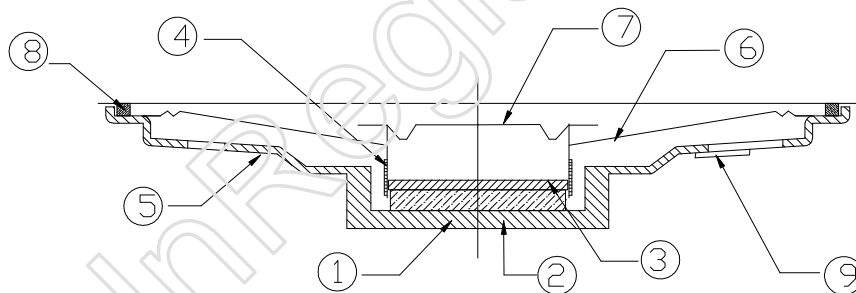
SPECIFICATION

Model : RB-50090802

16: Drawing(Fig1) Unit: mm Tolerance:±0.3mm



17. Speaker Construction



NO	PART NAME	MATERIAL	Q'TY
1	YOKE	SPCC	1
2	MAGNET	Nd-Fe-B	1
3	WASHER	SPCC	1
4	VOICE COIL	CCAW	1
5	FRAME	SPCC	1
6	DIAPHRAGM	PAPER	1
7	CAP	PAPER	1
8	GASKET	PAPER	1
9	TERMINAL	P.C.B	1

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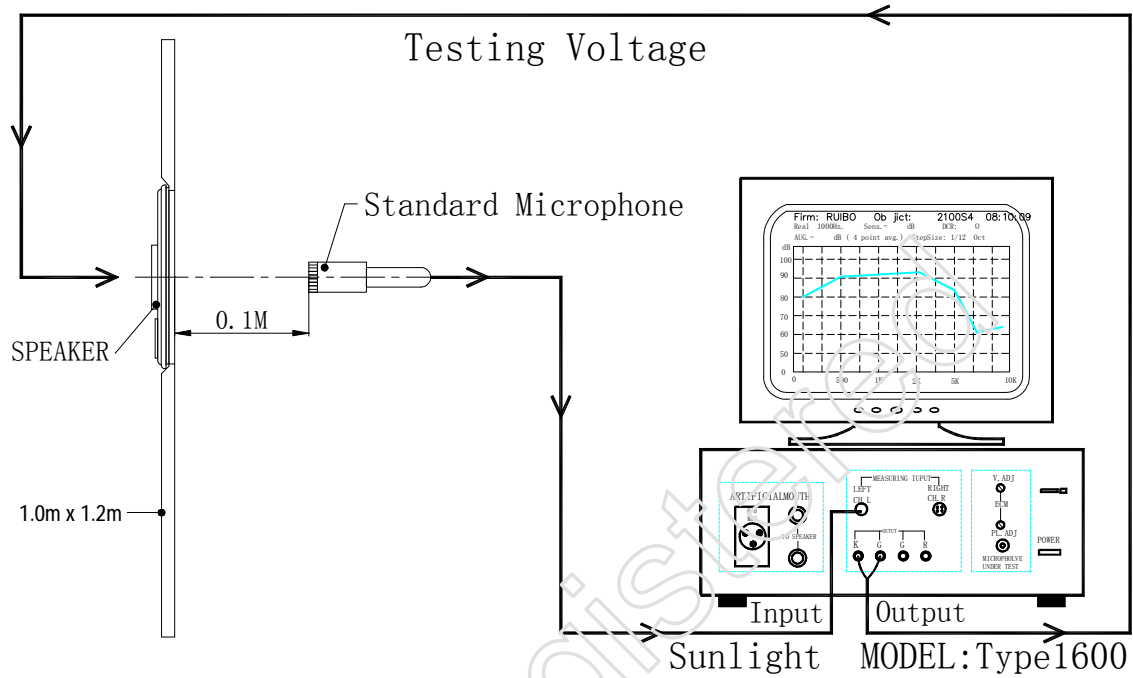
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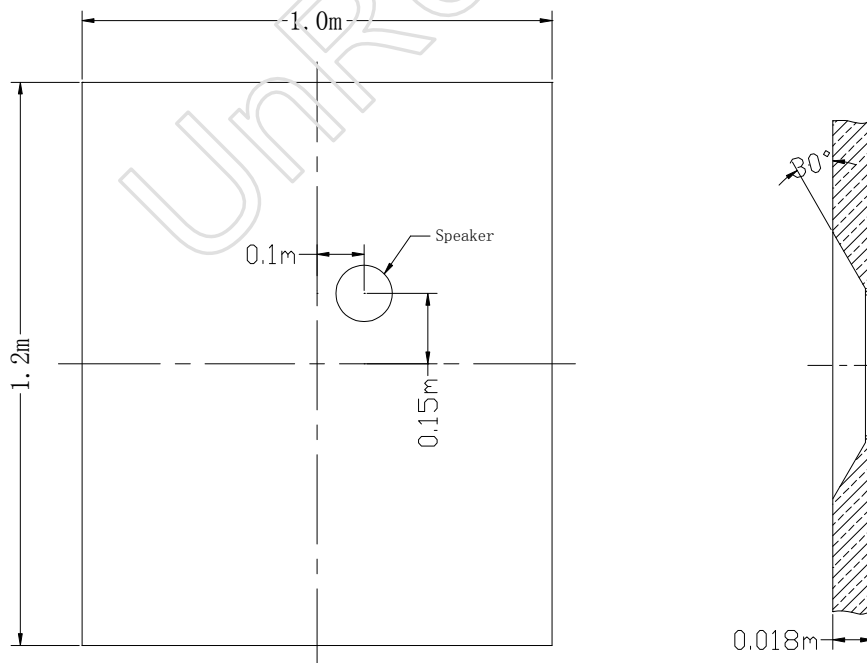
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18.Measurement Method Fig(2).



19. Test baffle Diagram



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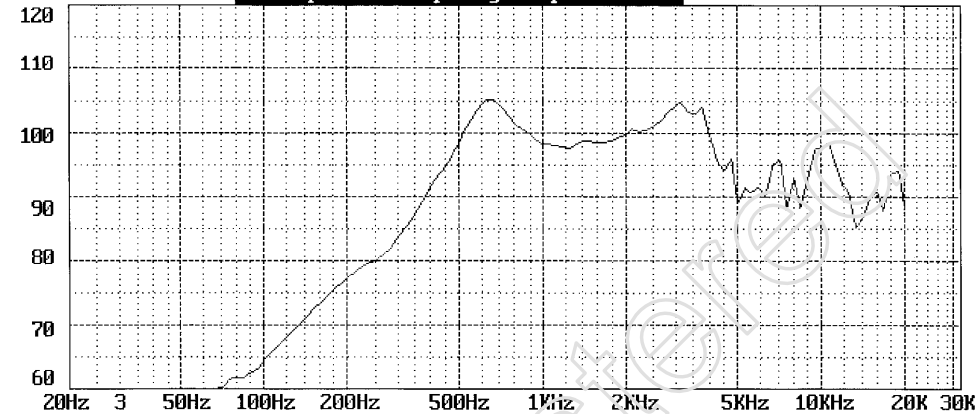
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20. Frequency Resonance Fig (3).

Firm:460 Model:BOX DATE:12-18-2015 TIME:09:59:22
 Real 1000Hz Sens.= 90.0 dB SPL Pass F.R.: Pass DCR: 8.0Ω Pass
 Average SPL= 90.0 dB SPL Pass (1000;1200;1500; 2000Hz) Sweep Speed: 1/12 Oct.

Att. @ +0dB N 1.10
Loudspeaker Frequency Response Test Test distance : 0.10M

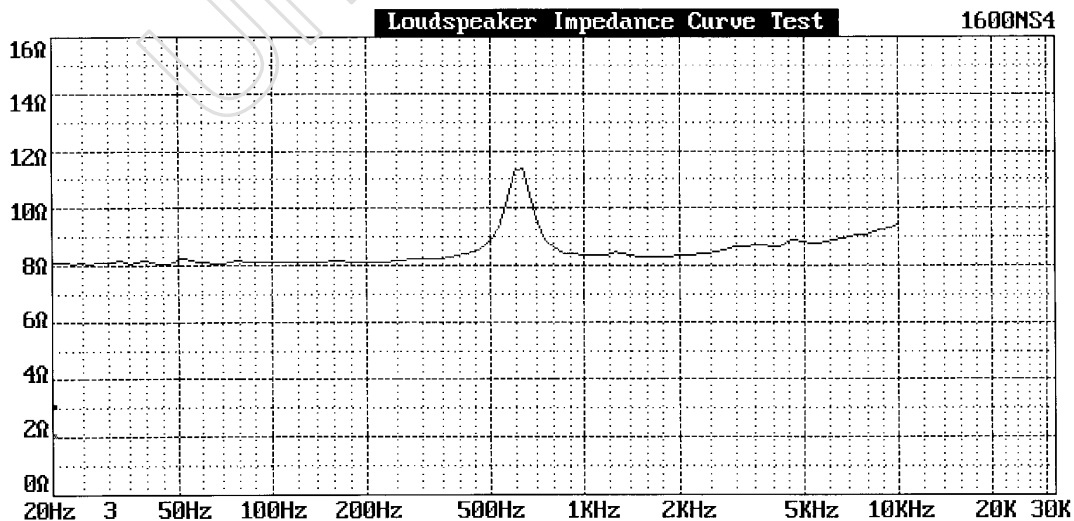


Voltage applied for **F.R.** = 2.000V **Start F.** = 20Hz **Stop F.** = 20000Hz
 F.R. check: None

21. AC Impedance curve

Firm:460 Model:BOX DATE:12-18-2015 TIME:09:51:53
 Start Freq. = 20Hz Stop Freq. = 10000Hz Sweep Speed: 1/12 Oct.
 ACV = 1.000V ACZ = 9.36 Ω @ 1000Hz. (Real)
 Fo = 598Hz; Qm = 7.39; Qe = 12.02; Qt = 4.58; DCR = 7.92Ω.

N 1.10



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