



SPECIFICATIONS

MODEL NO
OBO-36008G-05

PART NAME
DYNAMIC SPEAKER

SHEET
OBO-36008G-05.2 INC.
1 OF 5
2012 FEB 28

ALTERNATION HISTORY

文件发行章

Marking	Date	ECN NO.	REV.	Description	Page	PREPARE BY	APPROVE BY
---	FEB.28.2011	---	A	New Document	5	李逍	Joym

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
A	FEB.28,2011	李逍	王志强	Joym 28

OBO Pro.2

SPECIFICATIONS

MODEL NO
OBO-36008G-05

PART NAME
DYNAMIC SPEAKER

OBO PRO.2 INC.
2 OF 5
2012 FEB 28

文件发行章

MODEL NO : OBO-36008G-05

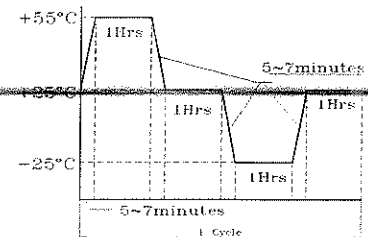
Features:Conformity RoHS Directive(2002/95/EC) Requests.

1. General Specifications

Items	Spec.
Magnet	Materials NDFEB Size: $\Phi 12.5 \times 1.5\text{mm}$
Weight	Approx 5.8Grams
Nominal Impedance	8 Ohm $\pm 15\%$
Power Rating	Normal 1.0W. Maximum 2.0W.
Lowest Resonant Frequency	680 $\pm 150\text{Hz}$.
Output Sound Pressure Level (S.P.L)	84 $\pm 3\text{dB}$ /1W/0.5Meter Average at 1000,1200,1500,2000Hz.
Frequency Range	F0 ~ 20000 Hz. Average SPL -10dB.
Distortion	5% Maximum At 1000Hz 1.0W
Abnormal Sound Test	Must be Normal Tested by 2.83Volts. Sine Wave
Polarity	Diaphragm shall move Forward when Apply a Positive DC Current to the "+" or "Marked" Terminal.
Operating Temperature	-20 $^{\circ}\text{C}$ to +50 $^{\circ}\text{C}$
Storage Temperature	-25 $^{\circ}\text{C}$ to +55 $^{\circ}\text{C}$

2. Environmental Test

Humidity Test	Temperature:	+40 $^{\circ}\text{C} \pm 3^{\circ}\text{C}$
	Relative Humidity:	90% ~ 95%
	Duration:	96 Hours
	Duration of recovery:	6 Hours
Temperature Cycle Test	Low Temperature:	-25 $^{\circ}\text{C} \pm 3^{\circ}\text{C}$
	High Temperature:	+55 $^{\circ}\text{C} \pm 3^{\circ}\text{C}$
	Duration of recovery:	1 Hours
	Duration of Transfer Time:	Less Than 5 to 7Minutes
	Duration of Exposure :	1Hour
Cycle:	3 Cycles	
Vibration Test	Vibration Direction:	3 axes
	Mounting:	Unit Shall Be Rigidly Restrained On The Table
	Frequency:	1,000 Cycle/Minute
	Amplitude:	1.5m/m
	Endurance:	1 Hour in Each Plane
Duration of Transfer Time:	Less Than 5Minutes	
Load Test	White Noise With Weighted Filter 2.83 Volts.(RMS) 96 Hrs. 20~20,000Hz Resonant Frequency.	
Drop Test	75cm Free Falling On Counter Floor, with 10 times.	



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OBO PROTECH INC.
3702F528

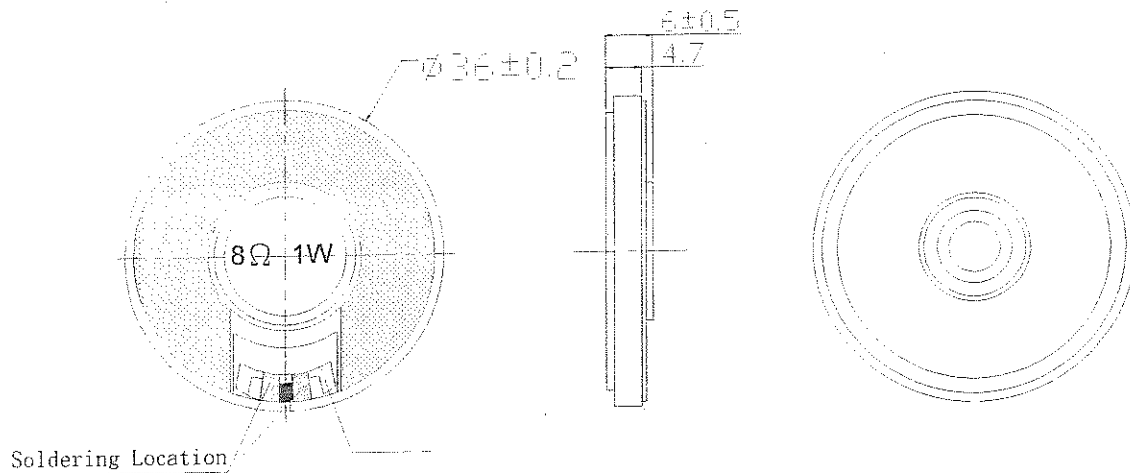
PART NAME
DYNAMIC SPEAKER

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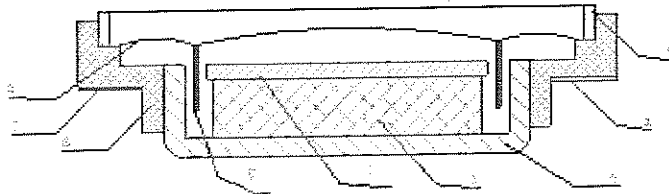
3. Mechanical Layout And Dimension

3.1 Dimension.

Unit: mm Tol: ±0.3



3.2 Speaker Construction.

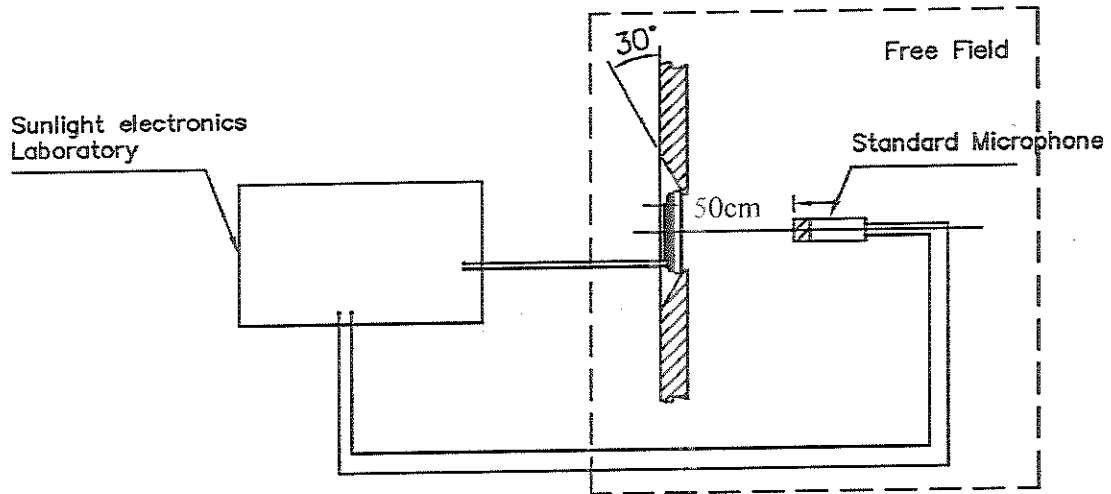


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9	GASKET	PAPER	1
8	DIAPHRAGM	MYLAR	1
7	CLOTH	CLOTH	1
6	PLASTIC	ABS	1
5	VOICE COIL	DIA 13.25mm	1
4	WASHER	SPCC	1
3	MAGNET	NdFeB	1
2	YOKE	SPCC	1
1	TERMINAL	P.C.B	1
NO	PART NAME	MATERIAL	Q'TY

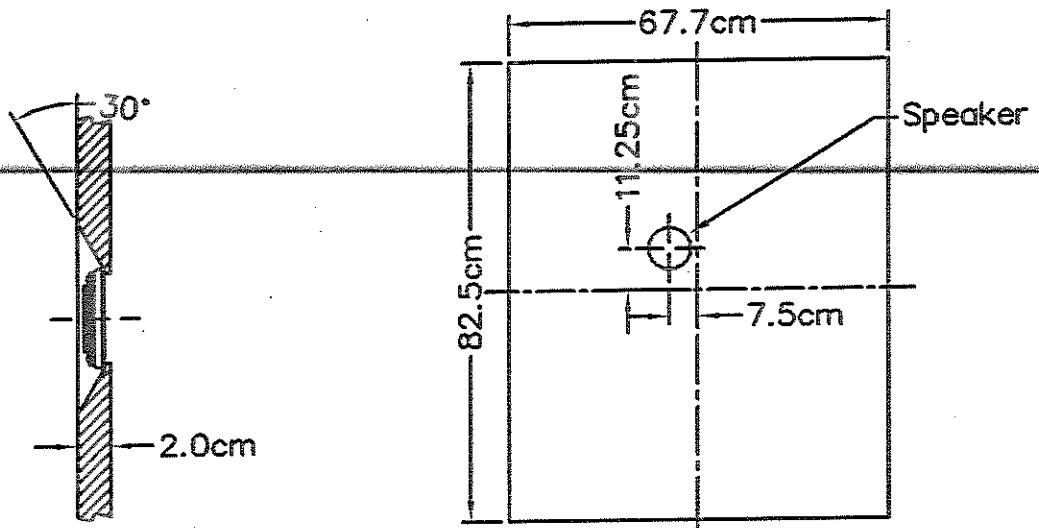
4. Test Method

4.1 Measurement Diagram

Electroacoustic
Testing Adapter



4.2 Standard Baffle



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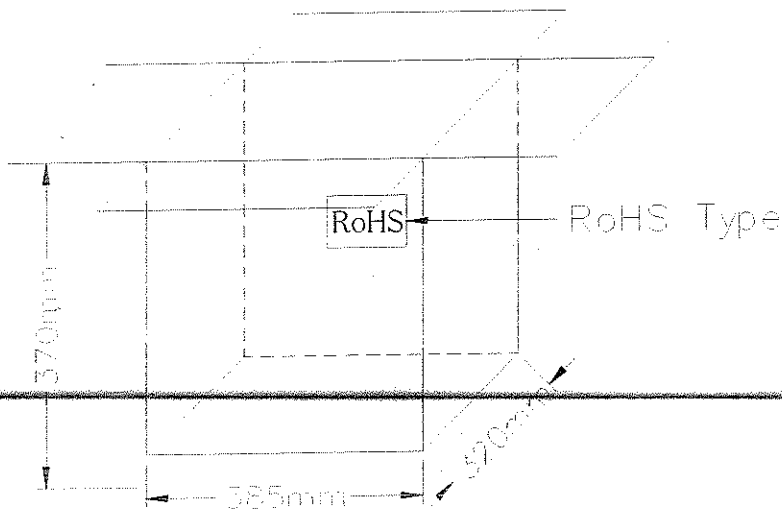
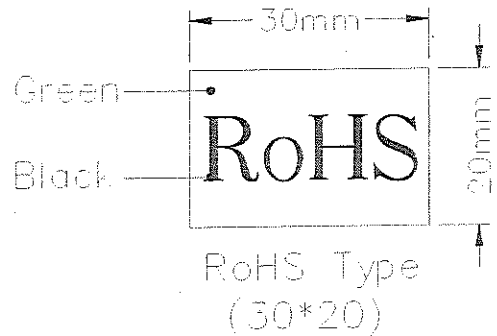
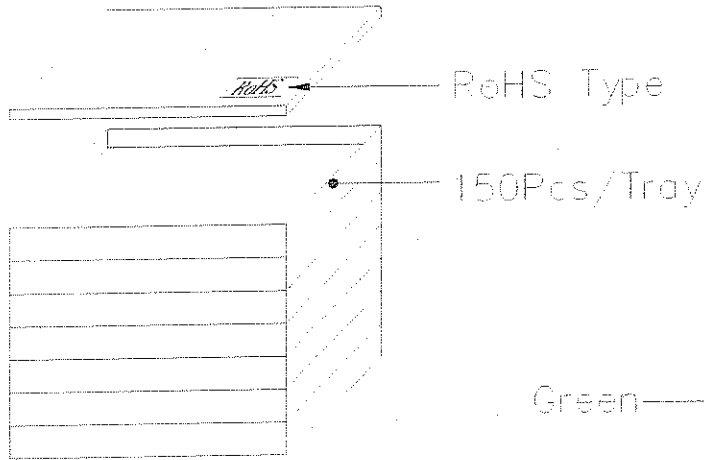
PART NAME
DYNAMIC SPEAKER

OBO SHEET

2510128

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5.PACKING



1050Pcs/Carton
7Tray(385*320*370mm)

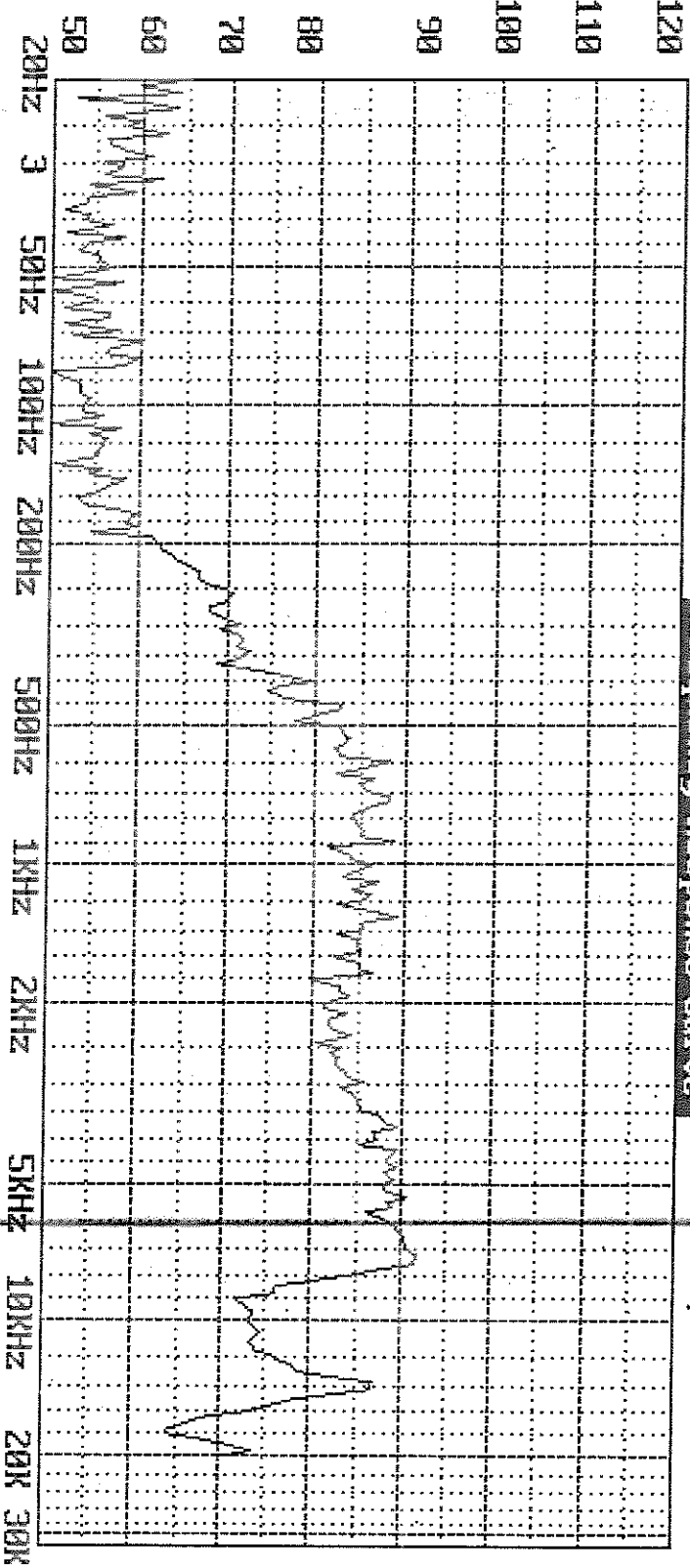
Firm: **Model:**
 1000Hz Sens. = 05.6dB SPL Pass F.R.: Pass DCR: 9.490 Pass
 Average SPL: 04.1dB SPL Pass (1000;1200;1500; 2000Hz) Sweep Speed: 1/24 Oct.

DATE: 02-25-2012 TIME: 11:16:48

dB SPL

Frequency Response curve

B 6.18



Voltage applied for **F.R.** = 2.830V **Start F.** = 20Hz **Stop F.** = 20000Hz
 Measuring Distance = 0.50M

Mfg.:

Measured using Sunlight 1600; Fax 886-2-22230727

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