



SPECIFICATIONS

MODEL NO
OBO-57032F-01

PART NAME
DYNAMIC SPEAKER

OBO PRO. SHEET
2009 MAY 21 OF 6

ALTERNATION HISTORY

文件发行

Marking	Date	ECN NO.	REV.	Description	Page	PREPARED BY	APPROVED BY
※1	MAY.21.09	DG0905018	D	Change RoSH	6		Josm

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
D	MAY,21,2009			Josm

OBO Pro.2

SPECIFICATIONS

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2003/11/26

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Features:Conformity RoHS Directive(2002/95/EC) Requests. ※1

1. General Specifications

Items	Spec.
Weight	Approx 17.0 Grams
Nominal Impedance	32 Ohm±15% At 700 Hz /1.0V
Power Rating	Normal 0.5W. Maximum 1.0W.
Lowest Resonant Frequency	500±20%Hz.
Output Sound Pressure Level (S.P.L)	86±3dB /4.0V/0.5Meter ,Average at 1000,1200,1500,2000Hz.
Frequency Range	FO ~ 20KHz. Average SPL -10dB.
Distortion	5% Maximum At 1000Hz/4.0V
Diaphragm over buffer	1.0mm,Sin wave4.0V,at 50 ~ 5000Hz
Polarity test	Diaphragm Shall Move Forward When Apply a Positive DC Current To The"+" or "Marked" Terminal.
Buzzes & Rattles	Sine wave between at 3.1 Vrms/50~5000Hz
Operating Temperature	-25°C to +50°C
Storage Temperature	-25°C to +55°C

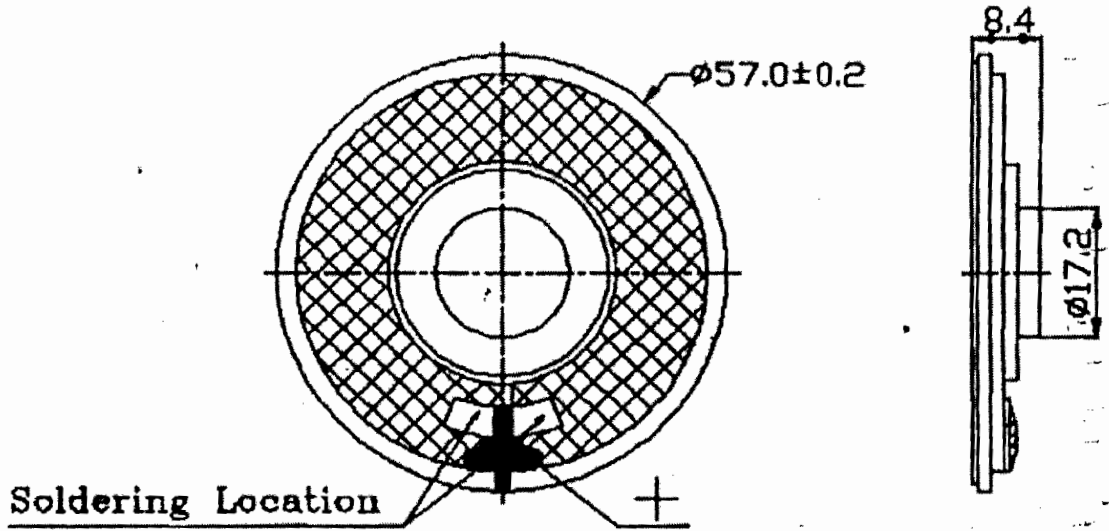
2. Environmental Test

Humidity Test	Temperature	: +40°C±3°C
	Relative Humidity	: 90% ~ 95%
	Duration	: 96 Hours
	Duration of recovery	: 6 Hours
Temperature Cycle Test	Temperature	: +55°C → +25°C → -25°C → +25°C
	Duration	: 1Hour 1Hour 1Hour 1Hour
	Cycle	: 3 Cycles
Drop Test	70cm Free Falling On Concrete Floor, with 10 times.	
Load Test	White Noise With Weighted Filter 4.0Volts.(RSM) 100Hrs.	

3. Mechanical Layout And Dimensions

3.1 Dimensions

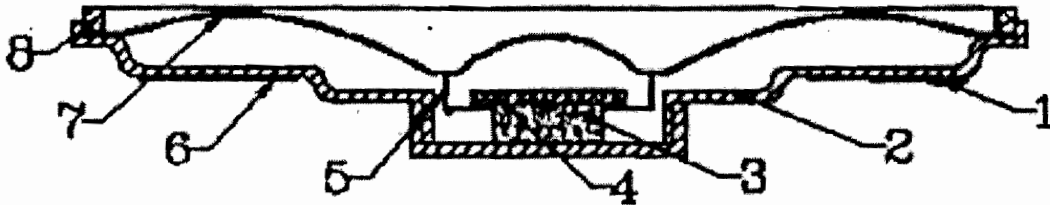
Unit:mm Tolerance:±0.3mm



Soldering Location

PCB Soldering Temperature 280°~320° with in 3 seconds.

3.2 Construction Diagram

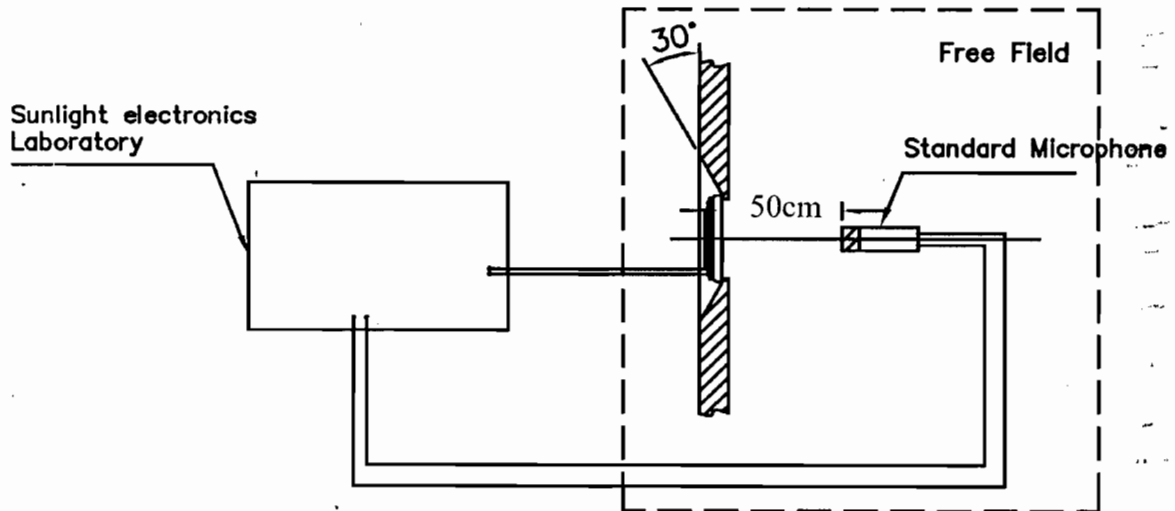


NO	PART NAME	MATERIAL
1	TERMINAL	P.C.B
2	YOKE	SPCC
3	MAGNET	NDFEB
4	WASHER	SPCC
5	VOICE COIL	DIA 13.45mm
6	CLOTH	CLOTH
7	DIAPHRAGM	MYLAR
8	GASKET	PAPER

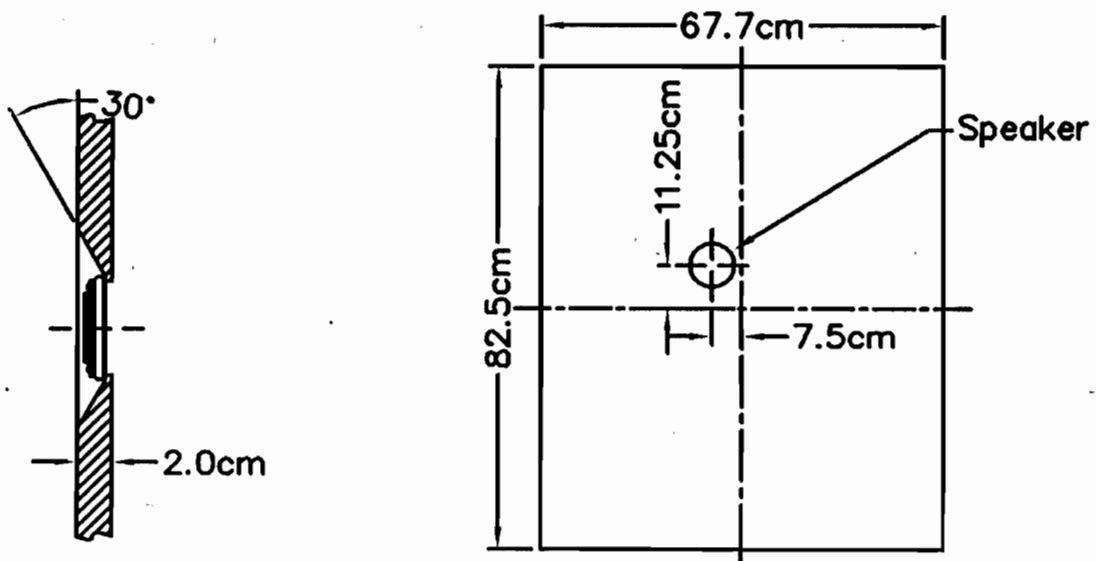
4: Test Method

4.1 Measurement Diagram

Electroacoustic
Testing Adapter



4.2 Standard Baffle



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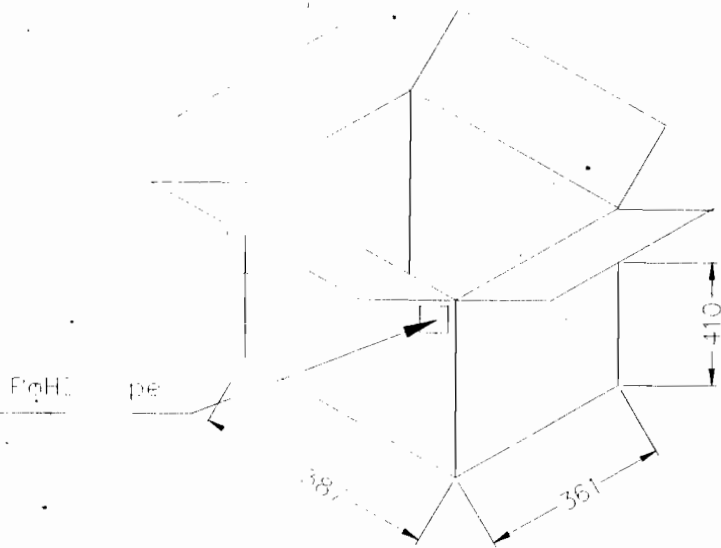
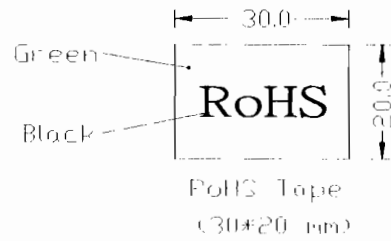
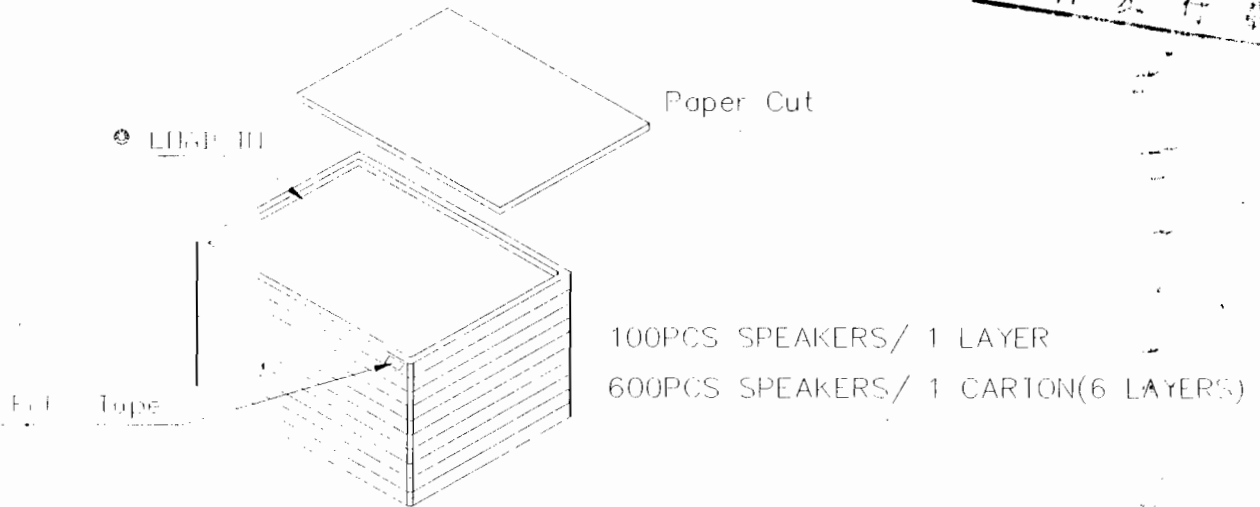
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5.Packing Standard

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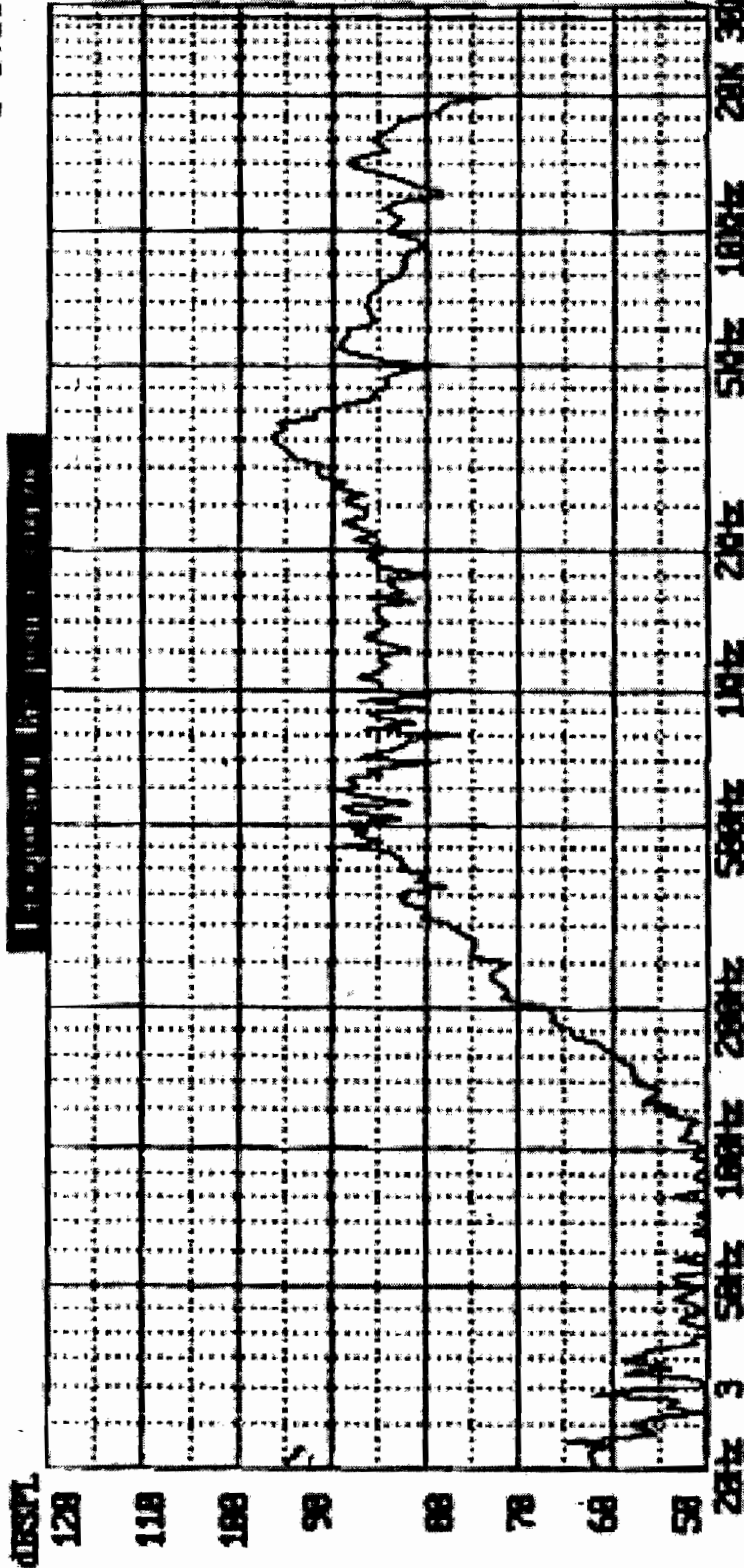
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6.Frequency Response Curve

Firm: OBO Model: 57032F-01 DATE: 05-15-2009 TIME: 2:24:35
100Hz Sens. = 84.9dB SPL Pass F.R.: Pass DCR: 34.7Ω Pass
Average SPL: 84.7dB SPL Pass (1000; 1200; 1500; 2000Hz) Sweep Speed: 1/24 Oct.

B 6.11



Voltage applied for [redacted] = 4.000V
Measuring Distance = 0.5m

Measured using Sunlight 1500; Fax: 886-2-222-2222

OBO PRO.2 INC
2009 MAR 26
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