

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
D	AUG.04,2011	陆志眉	王志伟 8/4	Joan 8/4

OBO.Pro.2®**SPECIFICATIONS****MODEL NO.**
OBO-27032G-01**PART NAME**
DYNAMIC SPEAKER**SHEET**
OBO 2 OF 6 NC.

2011 AUG 04

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MODEL NO : OBO-27032G-01

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

1. General Specifications

Items	Spec.
Magnet	Materials NdFeB Size: $\phi 12.5 \times 1.5$ mm.
Weight	Approx 4.8 Grams
Nominal Impedance	32 Ohm $\pm 15\%$ At 1400 Hz/1.0V.
Power Rating	Normal 0.2W. Maximum 0.5W.
Lowest Resonant Frequency	680 $\pm$ 150 Hz.
Output Sound Pressure Level (S.P.L)	80 $\pm$ 3dB /0.2Watt 0.5Meter. Average at 1000,1200,1500,2000Hz.
Frequency Range	400 ~ 7,000 Hz. Average SPL-10 dB.
Distortion	5% Maximum At 1000 Hz. 0.2W.
Abnormal Sound Test	Must be Normal Tested by 2.53Volts. Sine Wave.
Polarity	Diaphragm shall move Forward when Apply a Positive DC Current to the "+" or "Marked" Terminal.
Operating Temperature	-25°C to +50°C
Storage Temperature	-25°C to +55°C

2. Environmental Test

Humidity Test	High Temperature : +40°C $\pm$ 3°C Relative Humidity : 90% ~ 95% Duration : 96 Hours Duration of recovery : 6 Hours
Temperature Cycle Test	Temperature : +55°C $\rightarrow$ +25°C $\rightarrow$ -25°C $\rightarrow$ +25°C Duration : 1Hour 1Hour 1Hour 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 2.53Volts.(RMS) 96 Hrs. 20~20,000Hz Resonant Frequency.
Drop Test	75cm Free Falling On 1 Cm Floor, with 4 times.

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SHEET
OBO 3 OF 6 INC.

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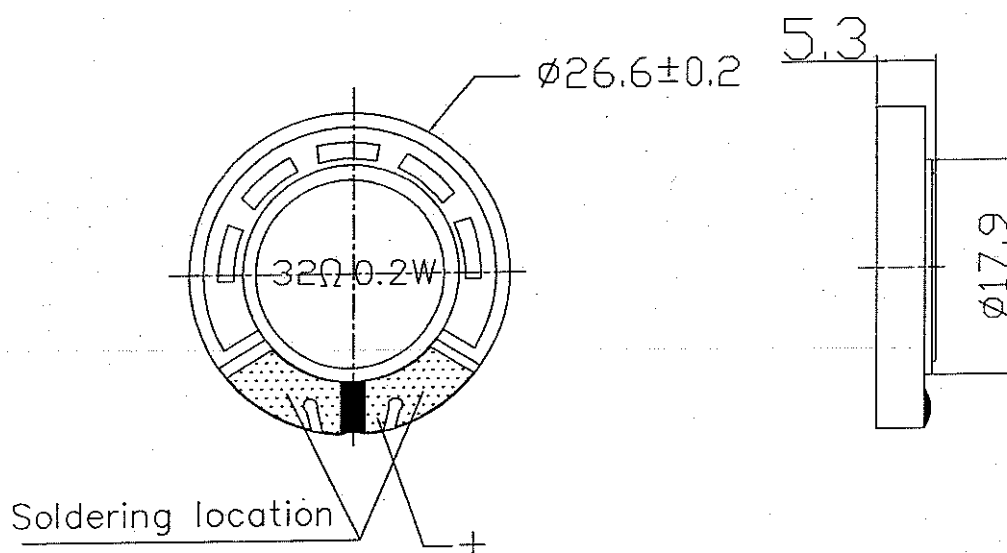
3. Mechanical Layout And Dimensions

3.1 Dimensions

※2

Unit: mm

Tolerance: ± 0.3



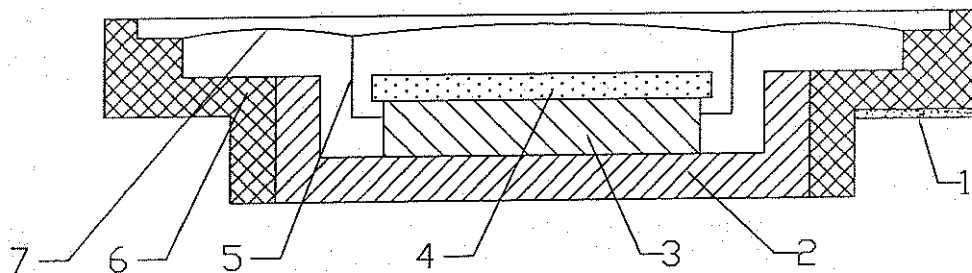
※1 PCB Soldering Temperature 280~320° Max For 3 Seconds.

OBO Pro.2.**SPECIFICATIONS****MODEL NO.**
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3.2 Construction Diagram



7	DIAPHRAGM	MYLAR	1
6	FRAME	ABS	1
5	VOICE COIL	DIA 13.50mm	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

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DYNAMIC SPEAKER

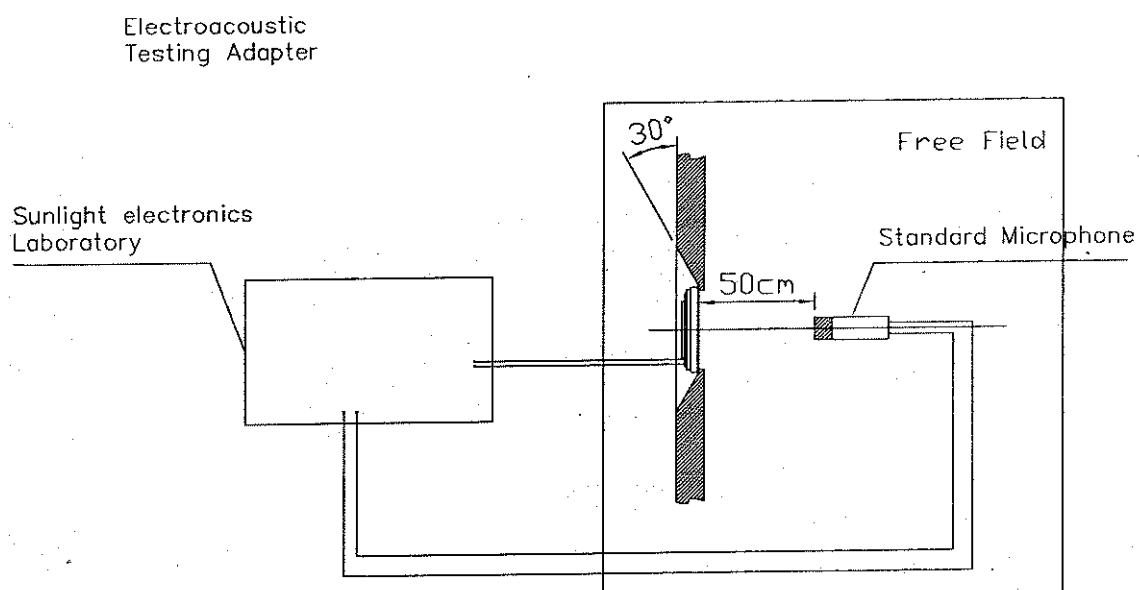
SHEET
OBO-PR6.2 INC.

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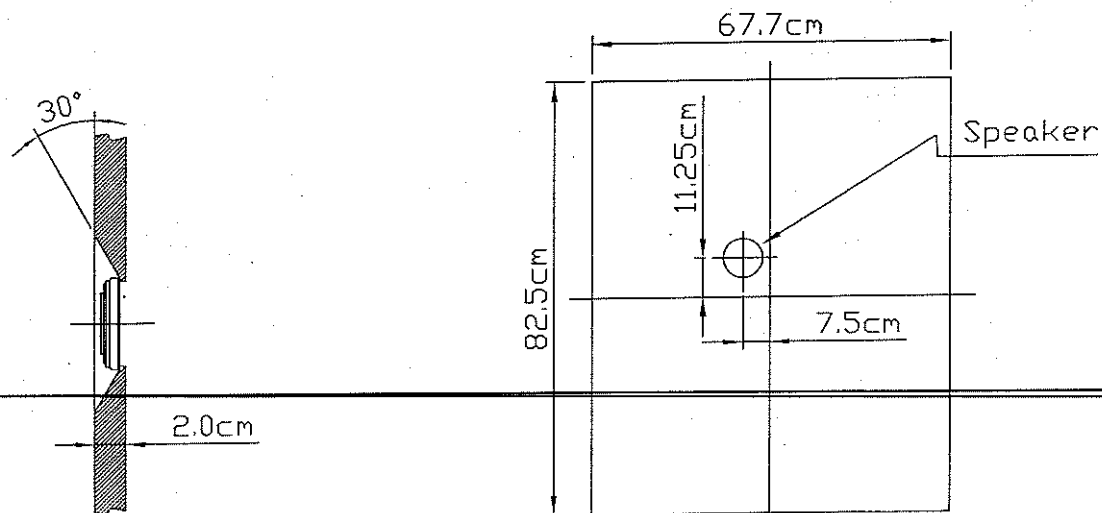
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4. Test Method

4.1 Measurement Diagram



4.2 Standard Baffle



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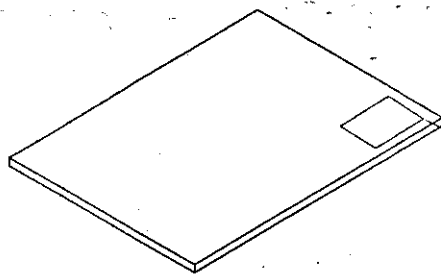
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6 OF 6

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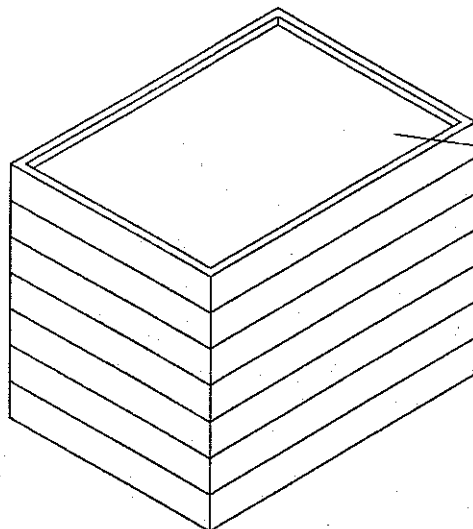
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※1 5. Package

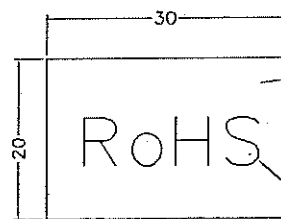
Unit:mm



RoHS Tape
(Right down of Cover)



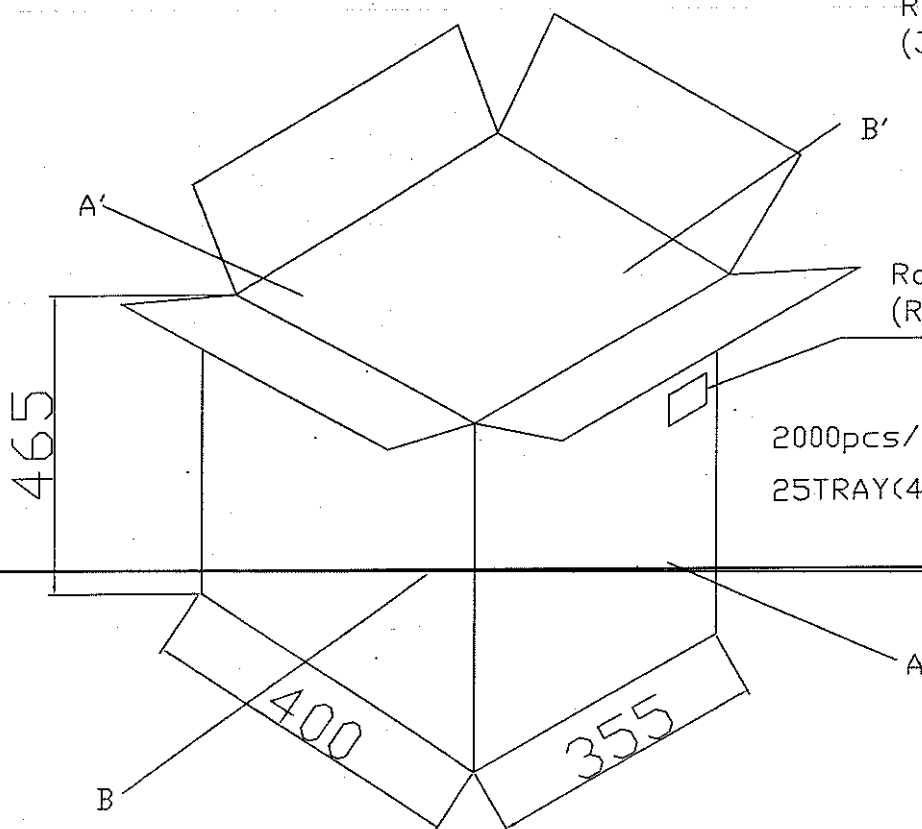
80pcs/TRAY



Green

Black

RoHS Tape
(30*20mm)



RoHS Tape
(Right Top of Carton)

2000pcs/Carton
25TRAY(400*355*465mm)

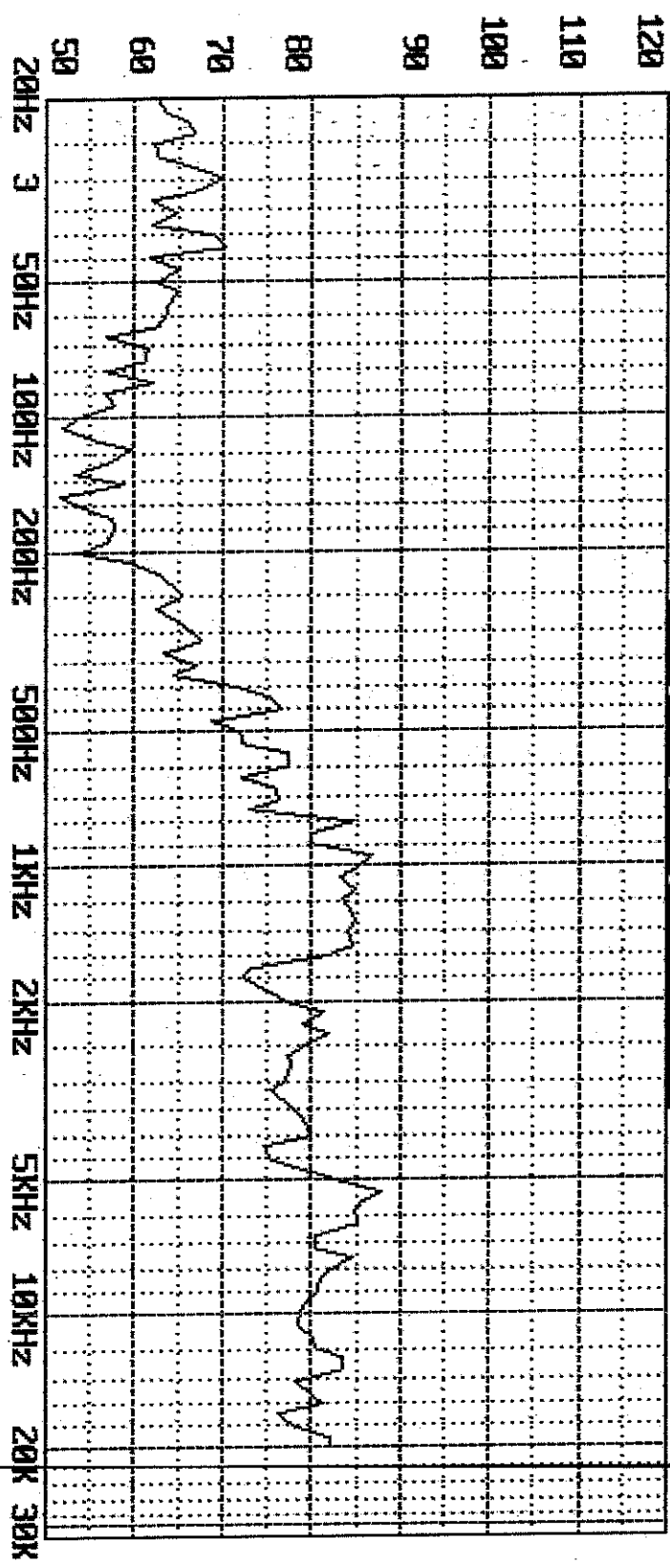
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Firm: Model: 680-270326-01
1000Hz Sens. = 85.5dB SPL Pass F.R.: Pass DCR: 30.90 Pass
Average SPL: 82.7dB SPL Pass (1000:1200:1500:2000Hz) Sweep Speed: 1/12 Oct.
DATE: 07-28-2011 TIME: 16:09:58

dB SPL

Frequency Response curve

B 6.18



Voltage applied for F.R. = 2.530V
Measuring Distance = 0.50M
Start F. = 20Hz
Stop F. = 20000Hz

Mfg.:

Measured using Sunlight 1600; Fax: 886-2-22230727