

OBO Pro.2	SPECIFICATIONS	MODEL NO. OBO-36008F403
	PART NAME DYNAMIC SPEAKER	SHEET 1 OF 7

ALTERNATION HISTORY							
Marking	Date	ECN NO.	REV.	Description	Page	PREPARE BY	APPROVE BY
※2	JUN,15,2006	DG0606014	F	1. Change to RoHS Type	7	蔡愛國	
※3	JUN,29,2007	DG0706009	G	Change Printing	7	蔡愛國	陳建合

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
G	JUN,29,2007	蔡愛國	陳建合	陳建合

OBO Pro.2	SPECIFICATIONS	MODEL NO. 05.01.16 OBO-36008F-03
	PART NAME DYNAMIC SPEAKER	SHEET 2 OF 7

MODEL NO : OBO-36008F-03

Features: Conformity RoHS Directive(2002/95/EC) Requests.(*2)

1. General Specifications

Items	Spec.
Magnet	Materials NdFeB Size: $\phi 12.5 \times 1.5 \text{mm}$
Weight	Approx 8.3 Grams
Nominal Impedance	8 Ohm $\pm 15\%$ At 1200 Hz / 1.0V
Power Rating	Normal 0.5W. Maximum 1.0W.
Lowest Resonant Frequency	530 \pm 150 Hz.
Output Sound Pressure Level (S.P.L)	86 \pm 3dB 0.5W 0.5Meter. Average at 1000,1200,1500,2000Hz.
Frequency Range	350~6800 Hz. Average SPL-10 dB.
Distortion	5% Maximum At 1000Hz. 0.5W.
Abnormal Sound Test	Must be Normal Tested by 2.0Volts. 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 2.0Volts.(RMS) 100 Hrs. 20~20,000Hz Resonant Frequency.		
Drop Test	75cm Free Falling On Concrete Floor, with 10 times.		

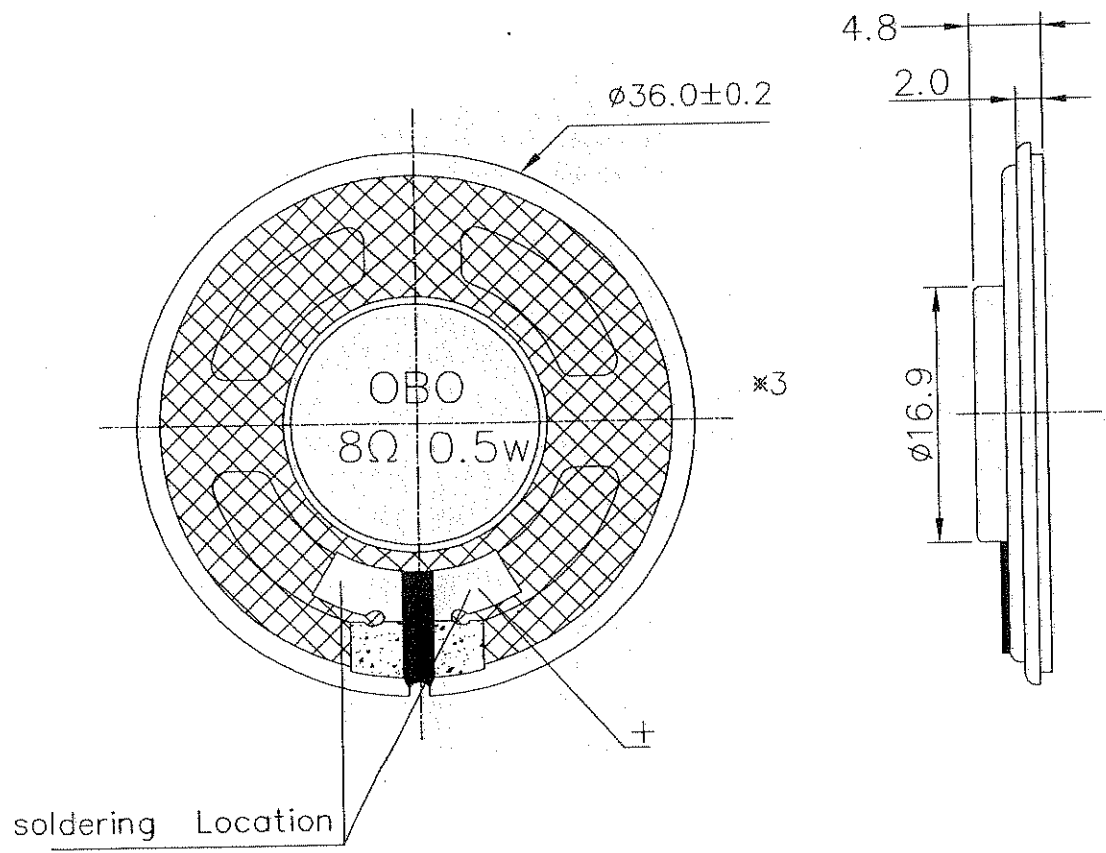
OBO Pro.2	SPECIFICATIONS	MODEL NO. OBO-36008E-03
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3. Mechanical Layout And Dimensions

3.1 Dimensions

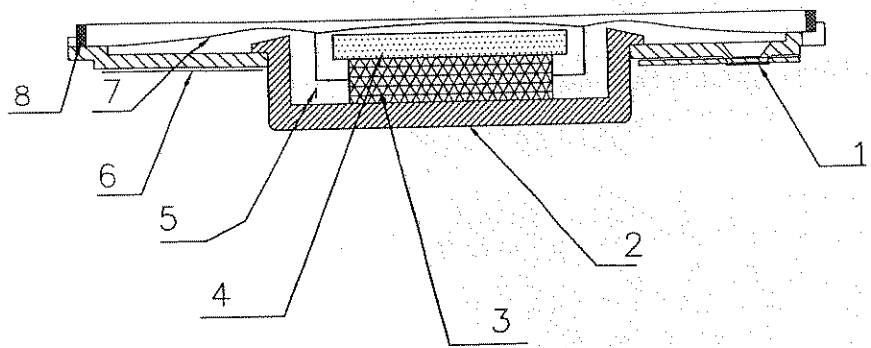
Unit:mm Tolerance: ±0.3



PCB Soldering Temperature 380° Max For 3 Seconds.

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3.2 Construction Diagram



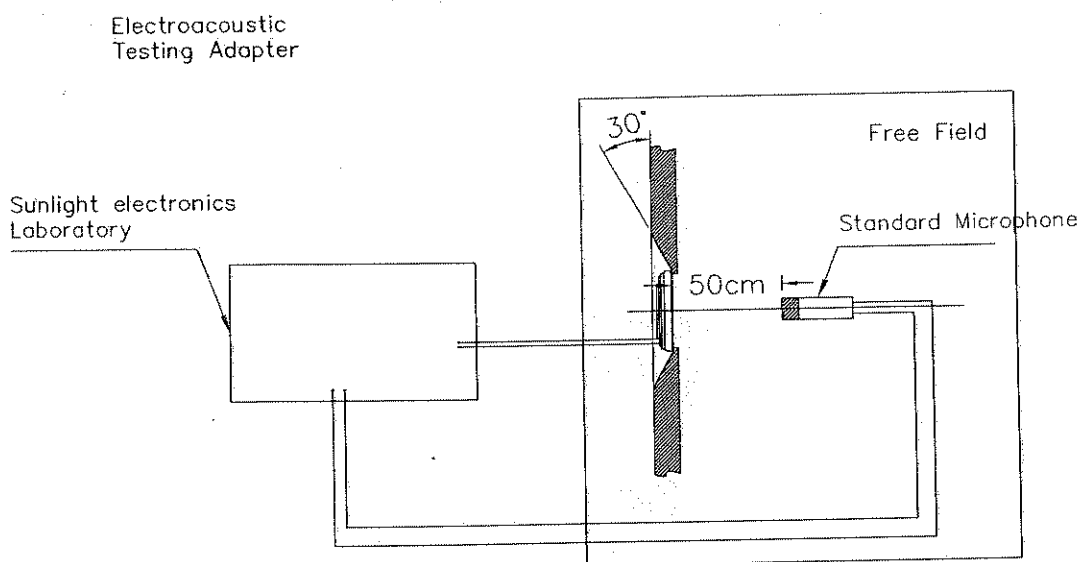
8	GASKET	ABS	1
7	DIAPHRAGM	MYLAR	1
6	CLOTH	CLOTH	1
5	VOICE COIL	DIA13.28mm	1
4	WASHER	SPCC	1
3	MAGNET	NdFeB	1
2	YOKE	SPCC	1
1	TERMINAL	P.C.B	1
NO	PART NAME	MATERIAL	Q'TY

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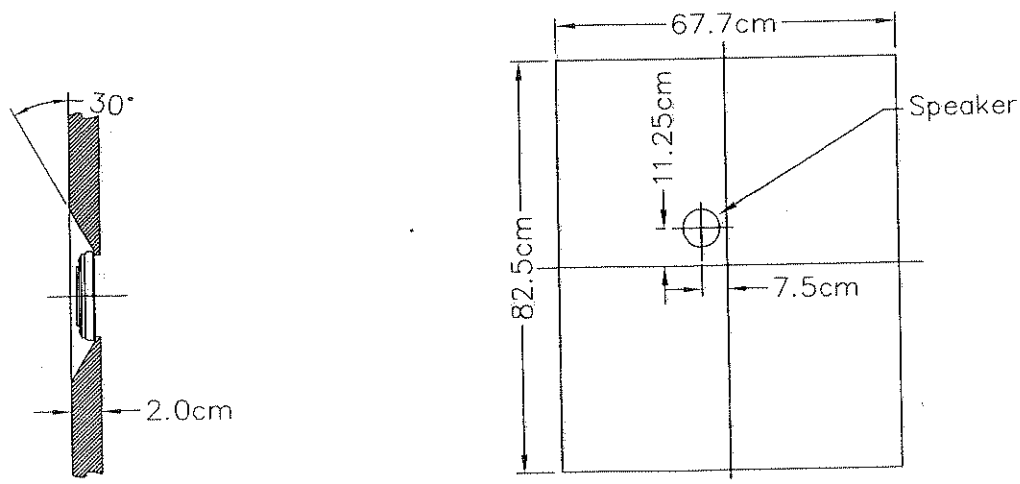
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4. Test Method

4.1 Measurement Diagram



4.2 Standard Baffle

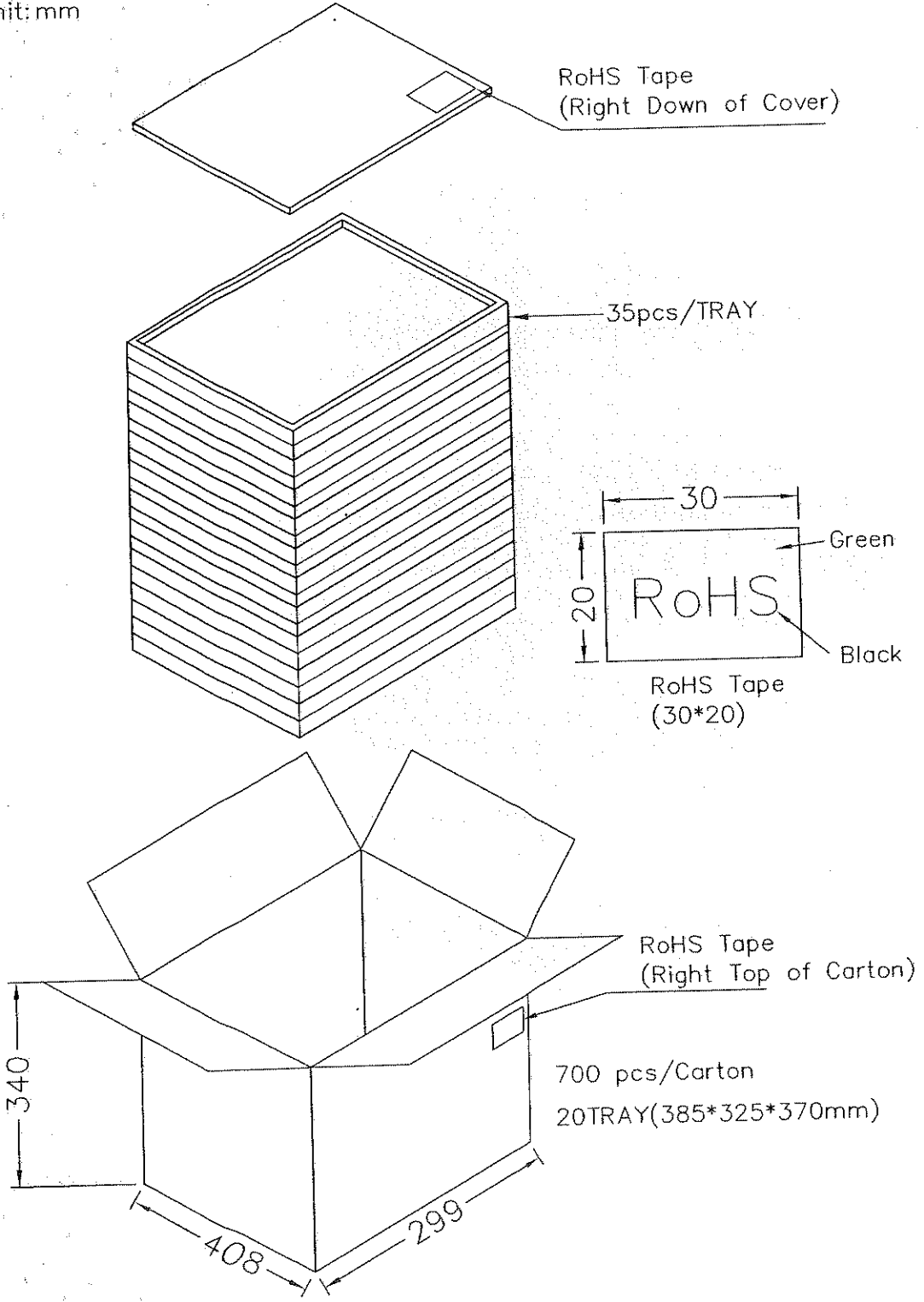


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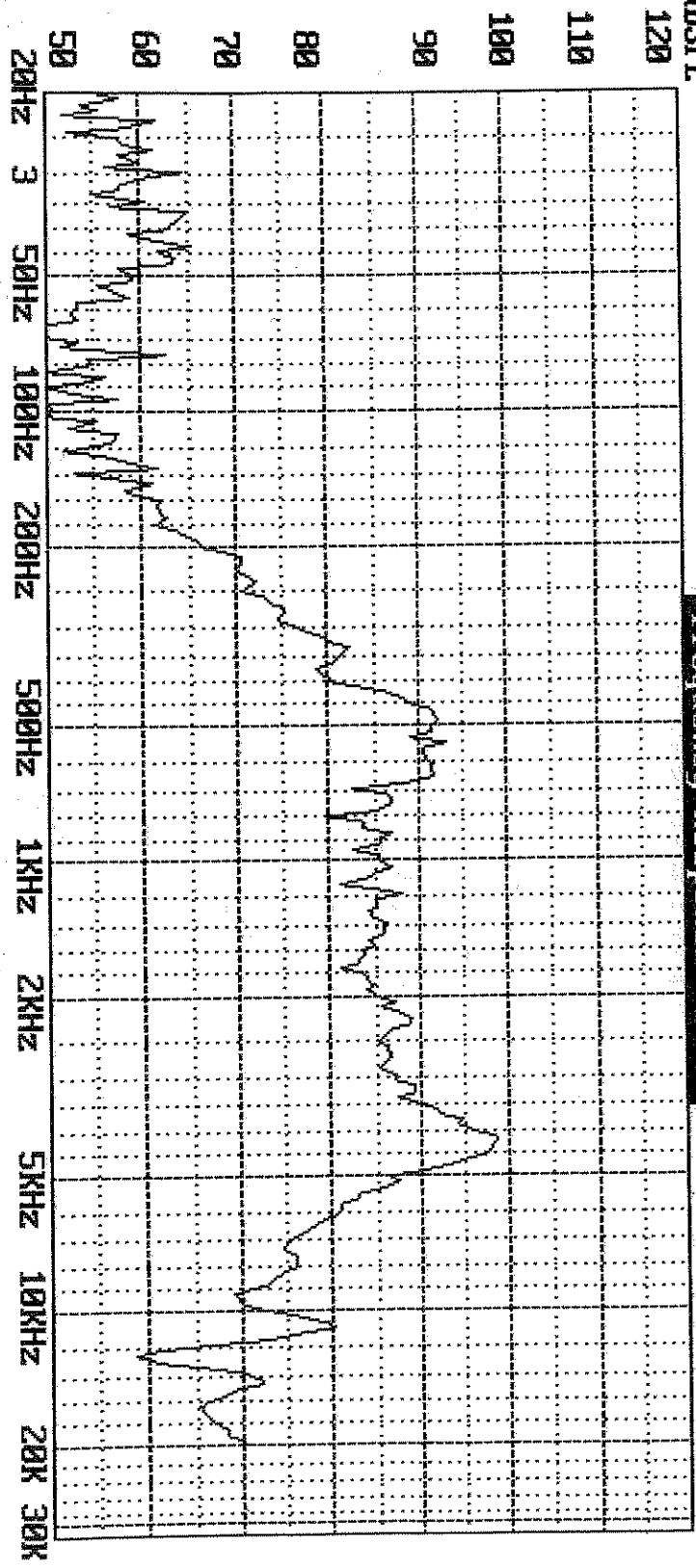
※2 5. Package

Unit: mm



Firm: OBD Model: OBD-3600BF-03 DATE: 07-05-2007 TIME: 15:04:56
 1000Hz Sens. = 85.4dB SPL Pass F.R.: Pass DCR: 7.940 Pass
 Average SPL: 85.0dB SPL Pass (1000:1200:1500:2000Hz) Sweep Speed: 1/24 Oct/发 行 率
 200.0116

dB SPL **Frequency Response curve**



Voltage applied for F.R. = 2.000V Start F. = 20Hz Stop F. = 20000Hz
 Measuring Distance = 0.50M

Mfg.: OBD Measured using Sunlight 1600: Fax: 886-2-22230727

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