

2009 MAY SHEET
OF 6

ALTERNATION HISTORY

[illegible]

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
D	MAY,12,09			Josm 5/12

OBO Pro.2**SPECIFICATIONS****MODEL NO**
OBO-40008F-01**PART NAME**
DYNAMIC SPEAKER**SHEET**
2 OF 6

MODEL NO : OBO-40008F-01

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

1. General Specifications

Items	Spec.
Magnet	Size: $\phi 12.5 \times 1.5$ mm
Weight	Approx 9.456.3 Grams
Nominal Impedance	8 Ohm $\pm 15\%$ At 800KHz/1V
Power Rating	Normal 0.2W. Maximum 0.5W.
Resonant Response	500 ± 150 Hz
Output Sound Pressure Level (S.P.L)	80 ± 3 db/0.2Watt 0.5Meter Average at 1000,1200,1500,2000 Hz.
Frequency Range	400~12,000Hz.Average SPL-10dB.
Distortion	5% Maximum At 800Hz.0.2 W.
Operating temp	-25 $^{\circ}$ C~50 $^{\circ}$ C
Storage Temperature	-25 $^{\circ}$ C~55 $^{\circ}$ C
Abnormal Sound Test	Must be Normal Tested by 1.26Volts. Sine Wave.
Polarity	Diaphragm Shall More Forward When Apply a Positive DC Current To The "+" or "marked" Terminal.

2. Environmental Test

Humidity Test	Temperature: +40 ± 3 $^{\circ}$ C Relative Humidity: 90% ~ 95% Duration: 96 Hours Duration of recovery: 6 Hours
Temperature Cycle Test	Temperature: +55 $^{\circ}$ C $\rightarrow$ +25 $^{\circ}$ C $\rightarrow$ -25 $^{\circ}$ C $\rightarrow$ +25 $^{\circ}$ C Duration: 1Hour 1Hour 1Hour 1Hour Cycle: 3 Cycles
Load Test	White Noise With Weighted Filter 1.26 Volts.(RSM) 100 Hrs 20~20,000Hz Resonant Frequency.
Vibration Test	Vibration Direction: 3 axes Frequency: 1,000 Cycle/Minute Amplitude: 1.5m/m Endurance: 1 Hour in Each Plane
Drop Test	75cm Free Falling On 1CM Wood Floor,10 Times

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SPECIFICATIONS

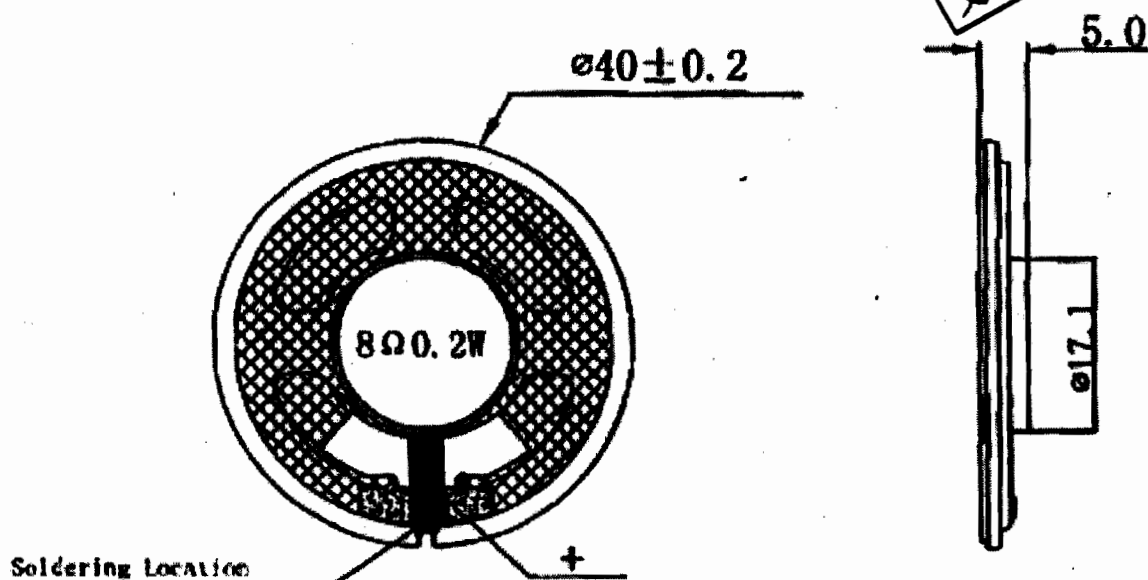
MODEL NO
OBO-40008F-01

PART NAME
DYNAMIC SPEAKER

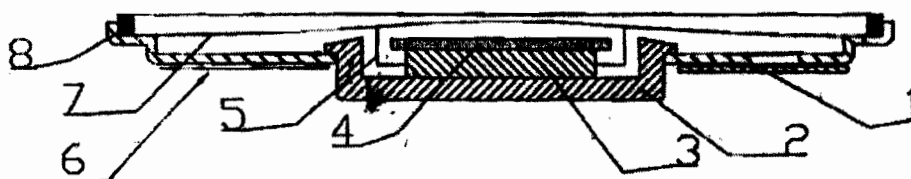
SHEET
1 OF 6

3. Dimensions

Unit: mm Tolerance: ± 0.3



Speaker Construction



10			
9			
8	GASKET	ABS	1
7	DIAPHRAGM	MYLAR	1
6	CLOTH	CLOTH	1
5	VOICE COIL	DIA 13.4mm	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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OBO-40008F-01

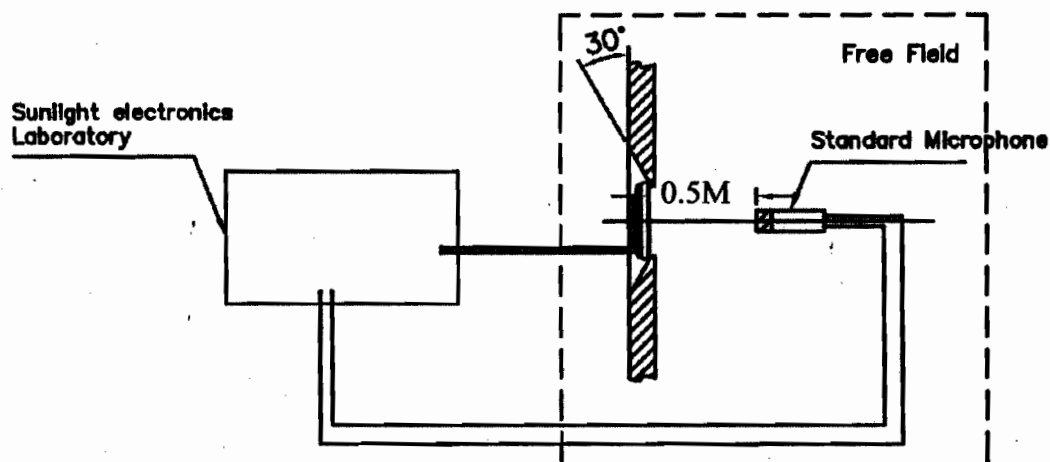
PART NAME
DYNAMIC SPEAKER

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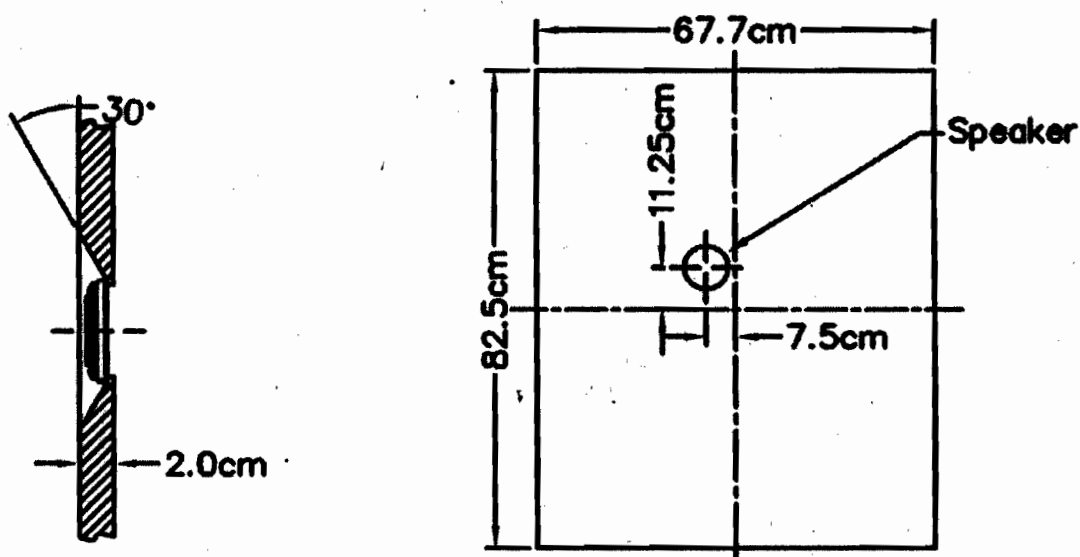
4. Measurement Method

4.1 Measurement Diagram

Electroacoustic
Testing Adapter



4.2 Standard Baffle



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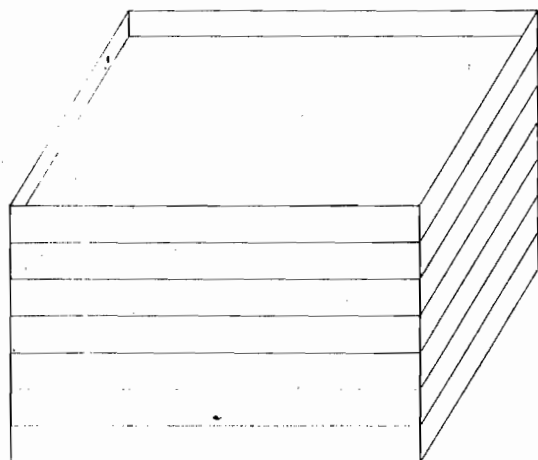
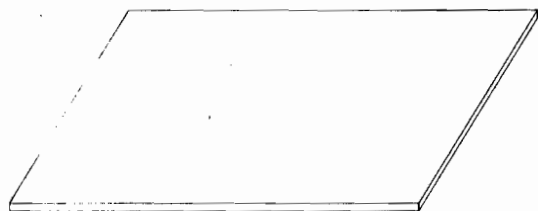
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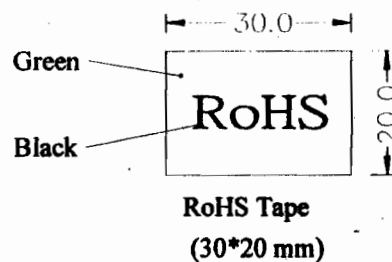
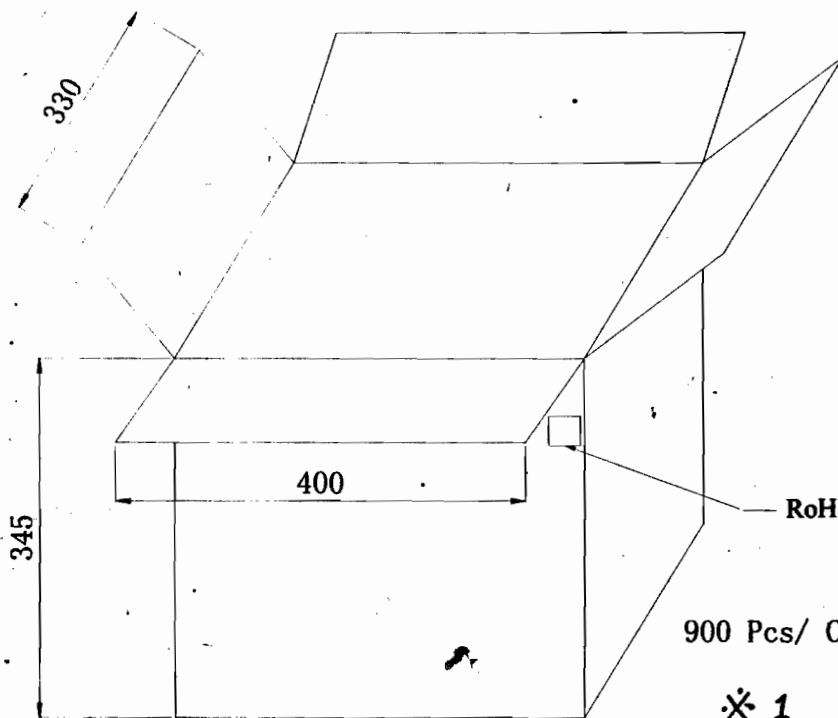
SHEET
5 OF 6

5. PACKAGING:



45Pcs/Tary

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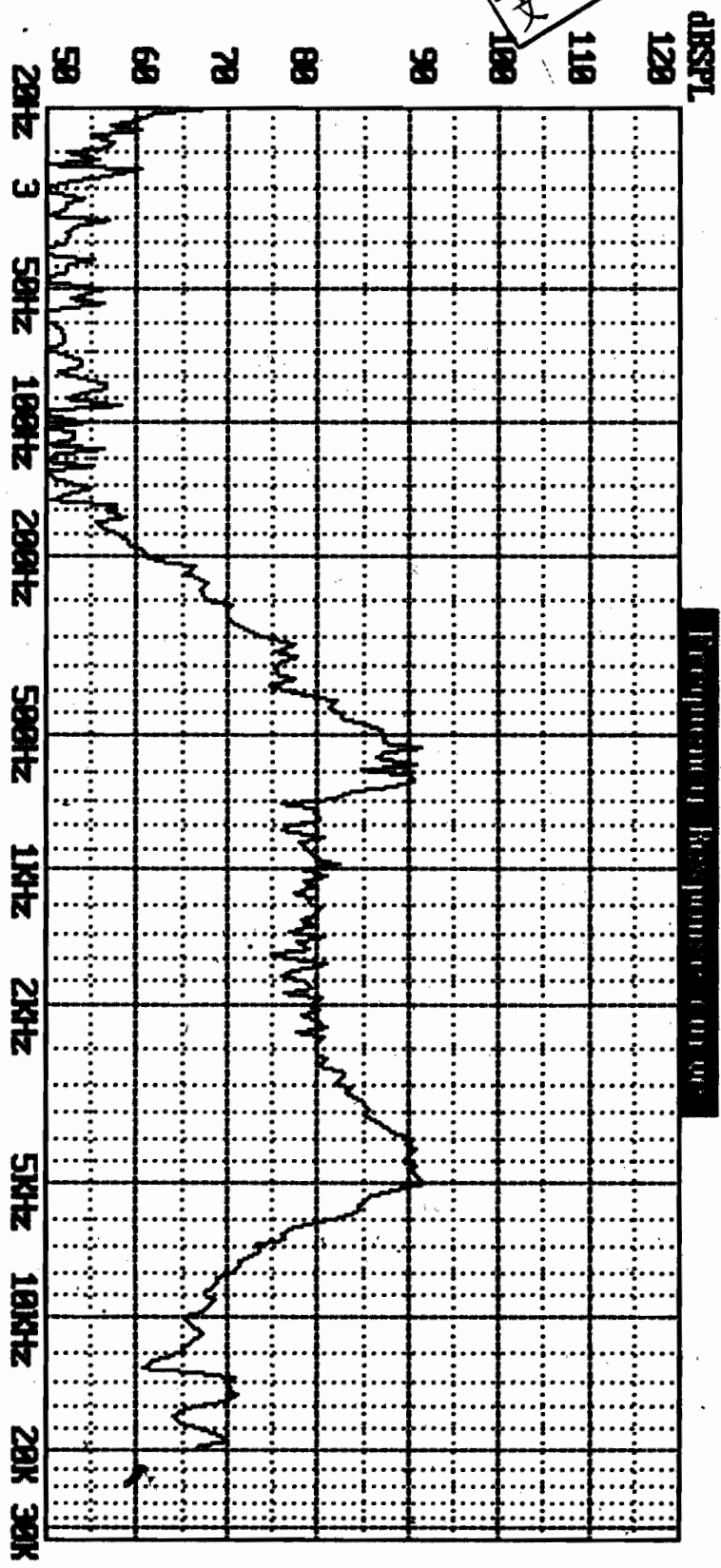
900 Pcs/ Carton

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OBO PRO.2 INC.
2009 MAY 13
文件发行章

Firm: OBO Model: 40008F-01 DATE: 05-12-2009 TIME: 04:12:17
 1000Hz Sens. = 78.2dBSPL Pass F.R.: Pass DCR: 6.26d Pass
 Average SPL: 78.9dBSPL Pass (1000:1200:1500:2000Hz) Sweep Speed: 1/24 Oct.

B 6.11



Voltage applied for **1.268V** Start F = 20Hz Stop F = 20000Hz
 Measuring Distance = 0.58m

Mfg.:

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