

OBO Pro.2	SPECIFICATIONS	MODEL NO. OBO-28032F-01
	PART NAME DYNAMIC SPEAKER	SHEET 1 OF 7

ALTERNATION HISTORY

Marking	Date	ECN NO.	REV.	Description	Page	PREPARE BY	APPROVE BY
※1	JUN,23,2006	DG0606017	D	1. Change to RoHS Type	7	蔡愛國	K.C.Wang
						<div style="border: 1px solid black; padding: 5px; text-align: center;"> OBO PRO.2 INC. 2006 JUL 01. 文件发行章 </div>	

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
D	JUN,23,2006	蔡愛國	K.C-Wang	K-C.Wang

OBO Pro.2**SPECIFICATIONS****MODEL NO.**
OBO-28032F-01**PART NAME**
DYNAMIC SPEAKER**SHEET**
2 OF 7**MODEL NO : OBO-28032F-01**

OBO PRO 2 INC.

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Features:Conformity RoHS Directive(2002/95/EC) Requests.(*)1**1. General Specifications**

Items	Spec.
Magnet	Materials NdFeB Size: $\varnothing 9.5 \times 1.5$ mm.
Weight	Approx 5.8 Grams
Nominal Impedance	32 Ohm \pm 15% At 1400 Hz.
Power Rating	Normal 0.2W. Maximum 0.5W.
Lowest Resonant Frequency	650 \pm 150 Hz.
Output Sound Pressure Level (S.P.L)	81 \pm 3dB /0.2Watt 0.5Meter.
	Average at 800,1000,1200,1500Hz.
Frequency Range	350 ~ 8,000 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 $^{\circ}$ C to +50 $^{\circ}$ C
Storage Temperature	-25 $^{\circ}$ C to +55 $^{\circ}$ C

2. Environmental Test

Humidity Test	High Temperature	:	+40 $^{\circ}$ C \pm 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
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) 100 Hrs. 20~20,000Hz Resonant Frequency.		
Drop Test	75cm Free Falling On Concrete Floor, with 10 times.		

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PART NAME
DYNAMIC SPEAKER

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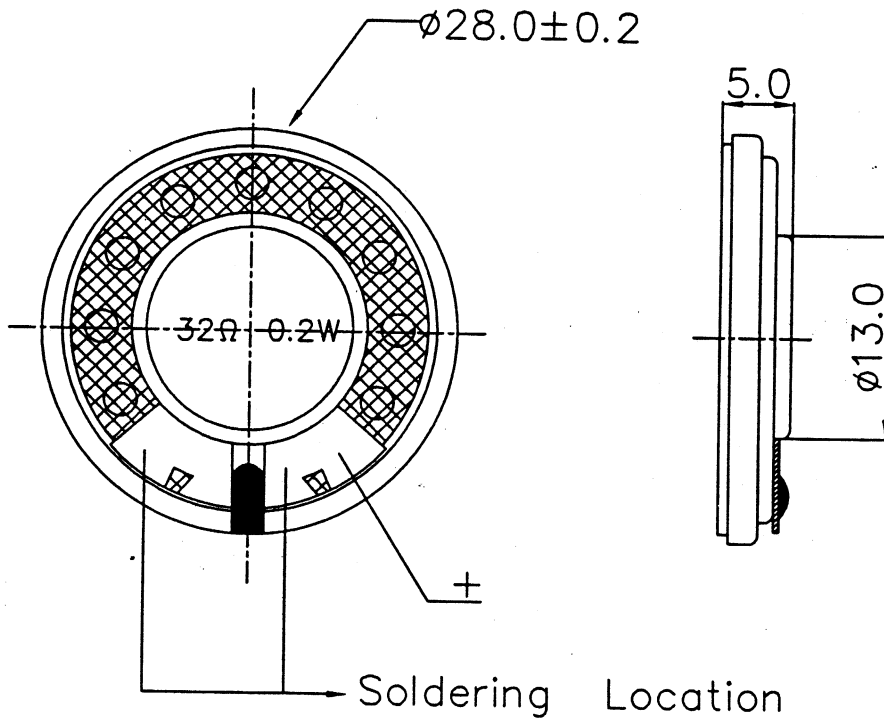
3. Mechanical Layout And Dimensions

3.1 Dimensions



Unit: mm

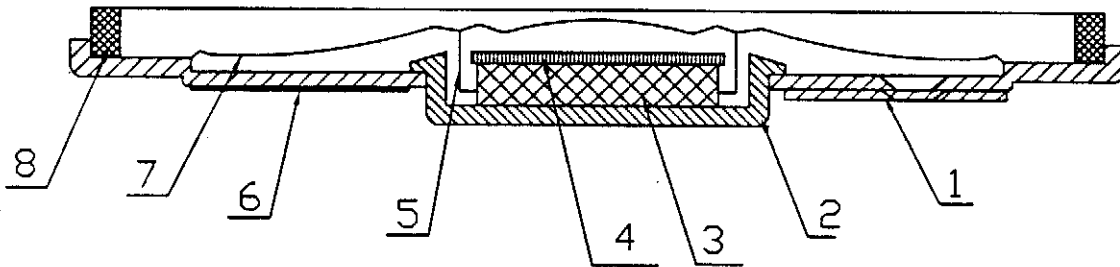
Tolerance: ± 0.3



※1 PCB Soldering Temperature 380° Max For 3 Seconds.



3.2 Construction Diagram

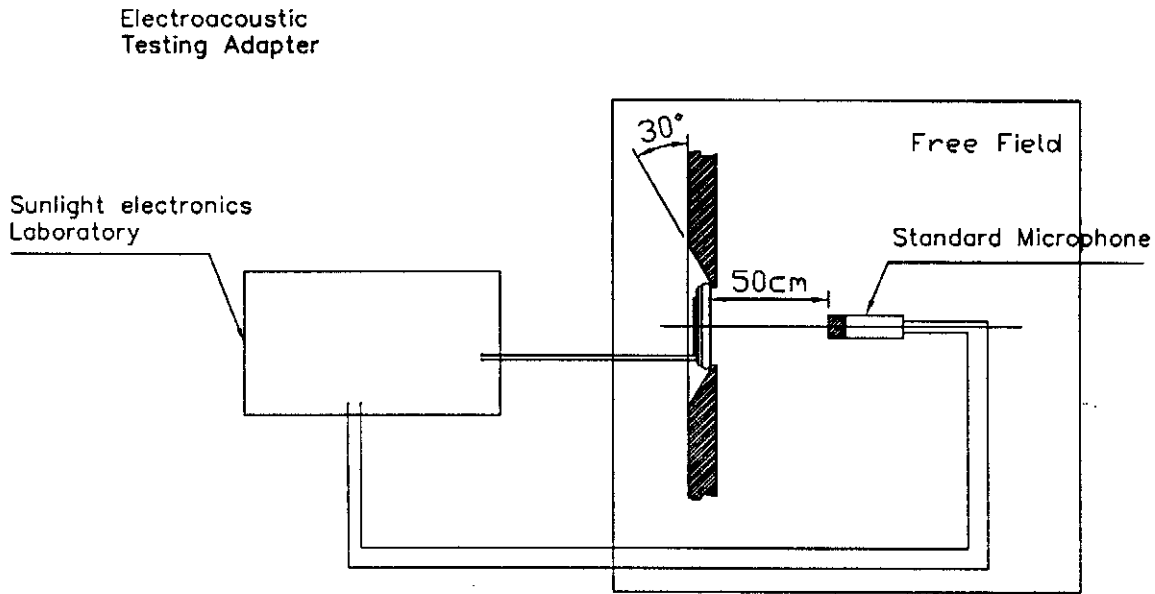


8	GASKET	ABS	1
7	DIAPHRAGM	MYLAR	1
6	CLOTH	CLOTH	1
5	VOICE COIL	DIA 10.30mm	1
4	WASHER	SPCC	1
3	MAGNET	NdFeB	1
2	YOKE	SPCC	1
1	TERMINAL	P.C.B	1
NO	PART NAME	MATERIAL	Q'TY

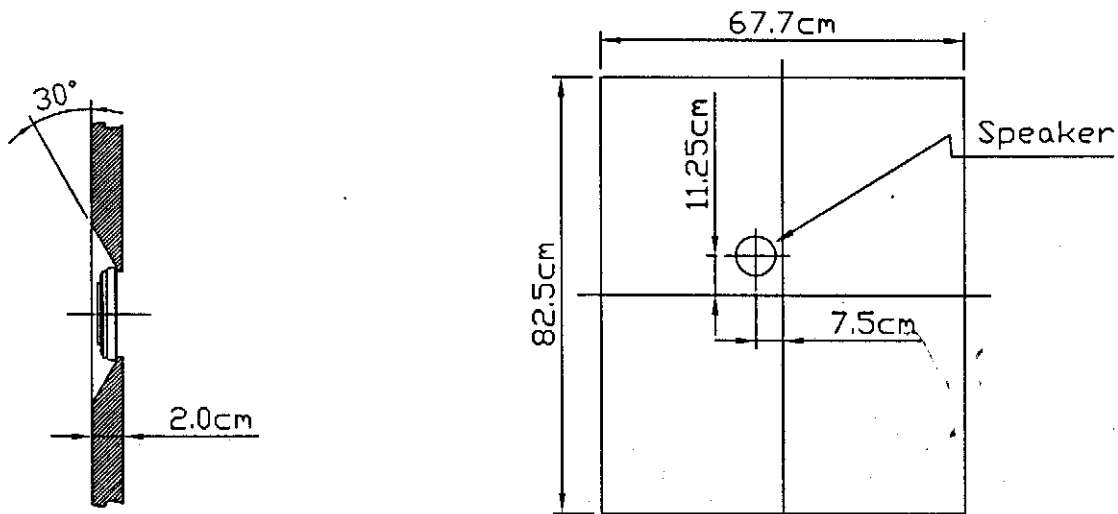
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4. Test Method

4.1 Measurement Diagram



4.2 Standard Baffle



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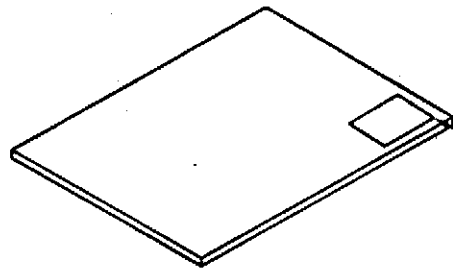
PART NAME
DYNAMIC SPEAKER

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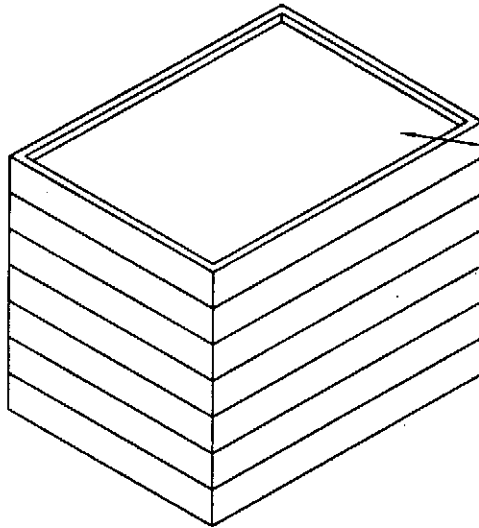
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※1 5. Package

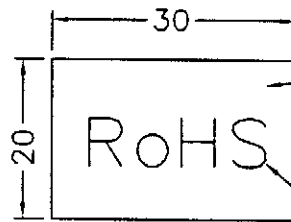
Unit:mm



RoHS Tape
(Right down of Cover)



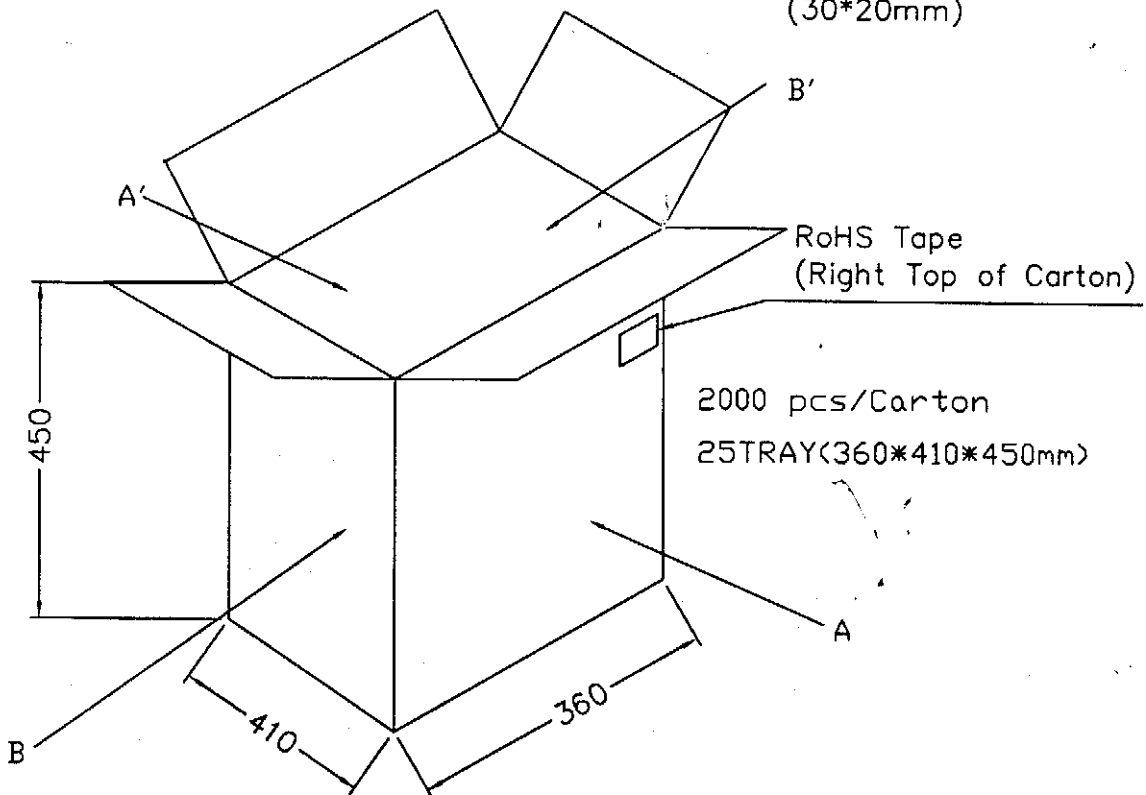
80pcs/TRAY



Green

Black

RoHS Tape
(30*20mm)



RoHS Tape
(Right Top of Carton)

2000 pcs/Carton
25TRAY(360*410*450mm)

