

MODEL NO : OBO-36004F-01

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

1. General Specifications

Items	Spec.
Magnet	Materials NDFEB Size: $\Phi 12.5 \times 1.5\text{mm}$
Weight	Approx 8.3Grams
Nominal Impedance	4 Ohm $\pm 15\%$
Power Rating	Normal 0.5W. Maximum 1.0W.
Lowest Resonant Frequency	600 $\pm 150\text{Hz}$.
Output Sound Pressure Level (S.P.L)	85 $\pm 3\text{dB}$ /0.5W/0.5Meter Average at 1000,1200,1500,2000Hz.
Frequency Range	350 ~ 7000 Hz. Average SPL -10dB.
Distortion	8% Maximum At 1000Hz 0.5W
Abnormal Sound Test	Must be Normal Tested by 1.41Volts. 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

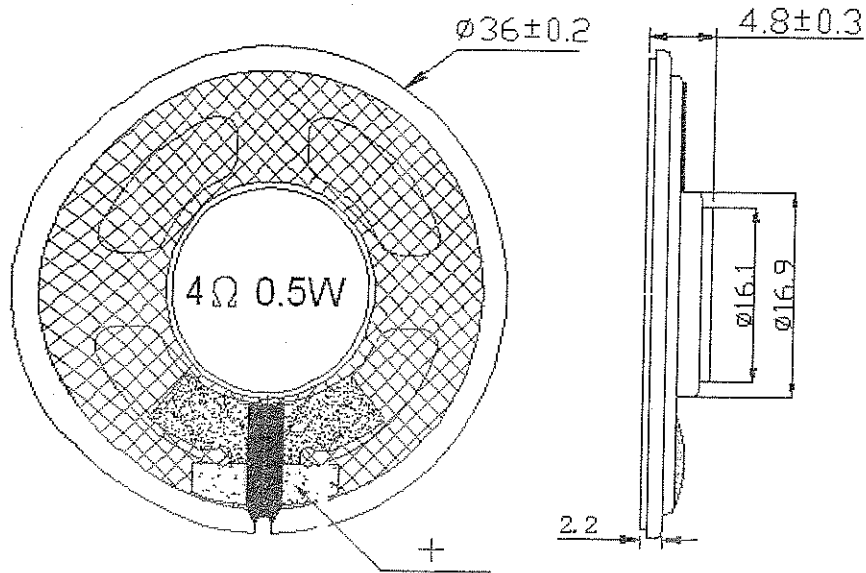
2. Environmental Test

Humidity Test	Temperature: +40°C $\pm 3^\circ\text{C}$ Relative Humidity: 90% ~ 95% Duration: 96 Hours Duration of recovery: 6 Hours	
Temperature Cycle Test	Low Temperature: -25°C $\pm 3^\circ\text{C}$ High Temperature: +55°C $\pm 3^\circ\text{C}$ Duration of recovery: 1 Hours Duration of Transfer Time: Less Than 5 to 7Minutes Duration of Exposure : 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 1.41 Volts.(RMS) 24 Hrs. 20~20,000Hz Resonant Frequency.	
Drop Test	75cm Free Falling On Counter Floor, with 10 times.	

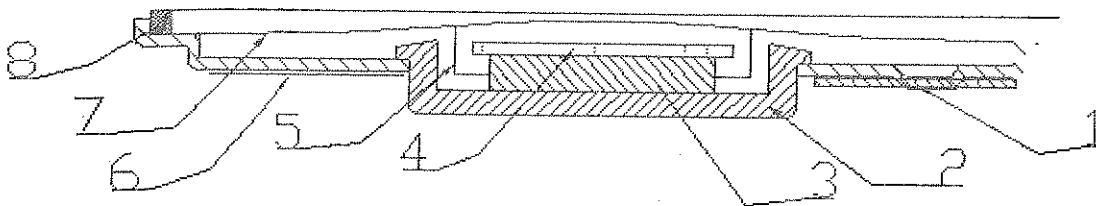
3. Mechanical Layout And Dimension

3.1 Dimension.

Unit: mm Tol: ±0.3



3.2 Speaker Construction.

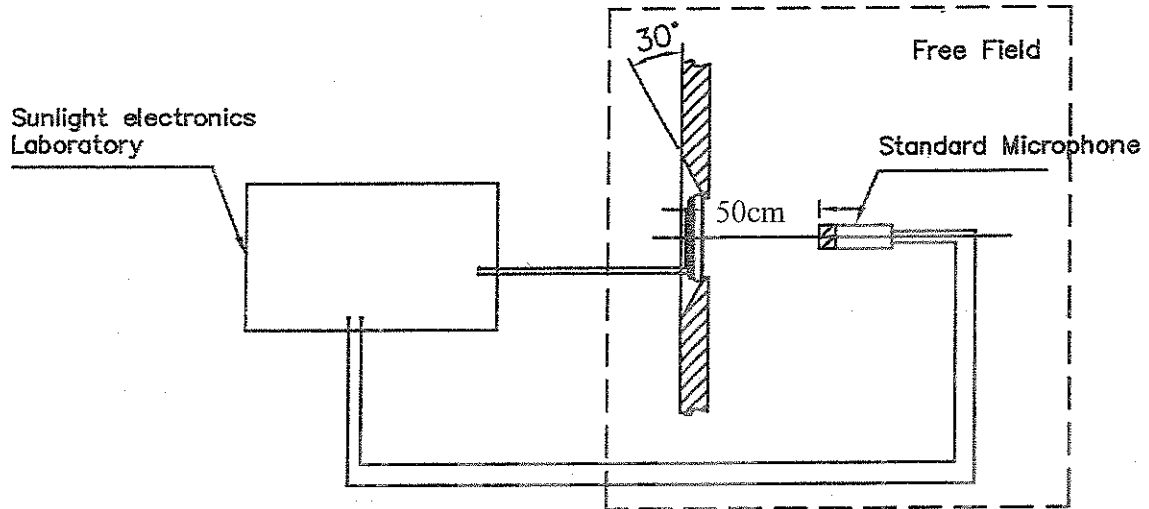


NO	PART NAME	MATERIAL	Q'TY
10			
9			
8	GASKET	ABS	
7	DIAPHRAGM	MYLAR PET	
6	CLOTH	CLOTH	
5	VOICE COIL	DIA 13.25mm	
4	WASHER	SPCC	
3	MAGNET	NdFeB	
2	YOKE	SPCC	
1	TERMINAL	P.C.B	1
NO	PART NAME	MATERIAL	Q'TY

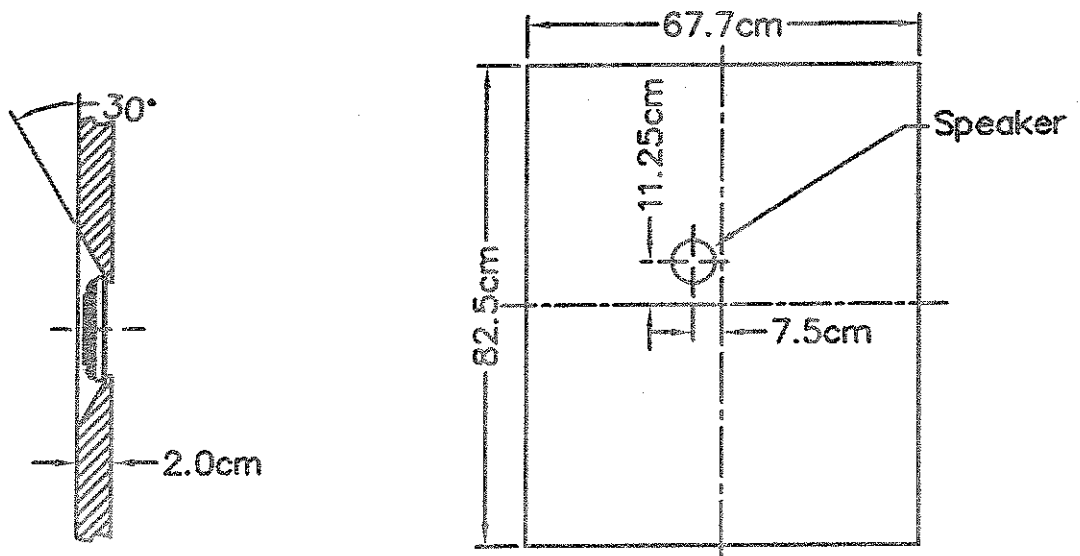
4. Test Method

4.1 Measurement Diagram

Electroacoustic
Testing Adapter

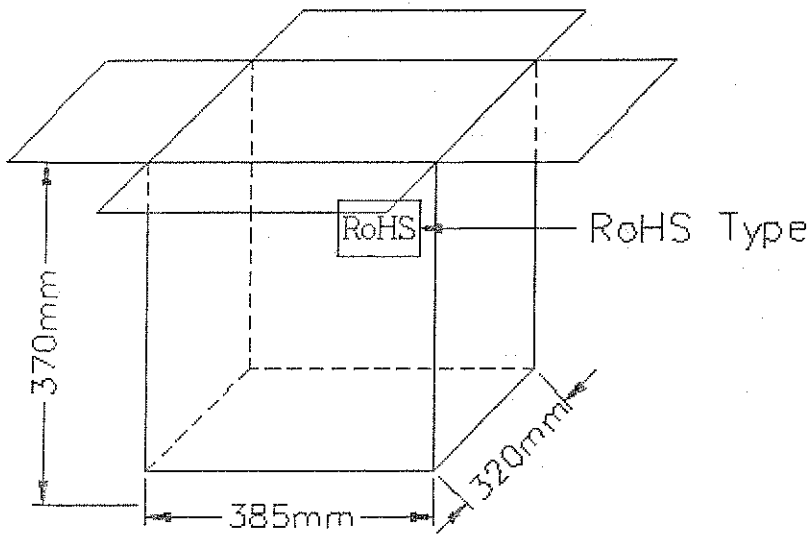
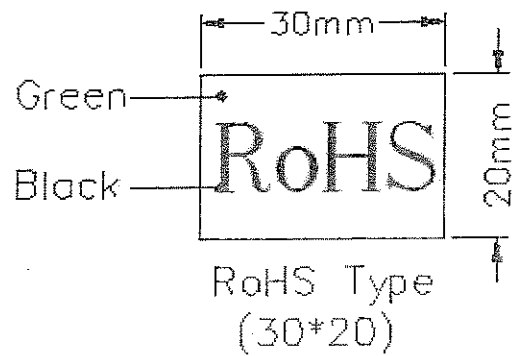
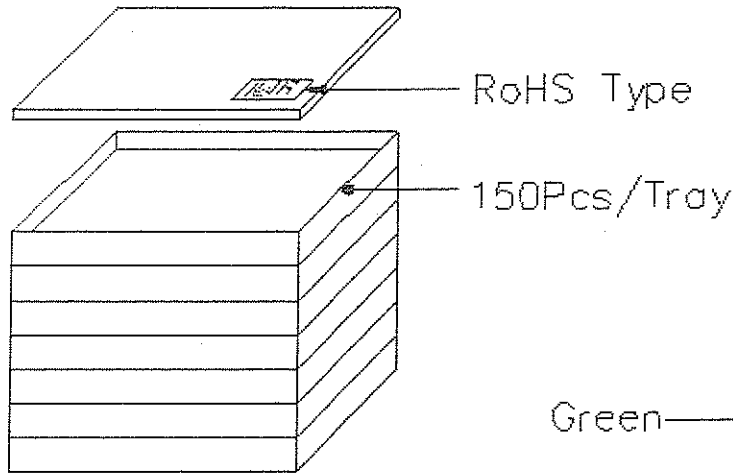


4.2 Standard Baffle



5.PACKING

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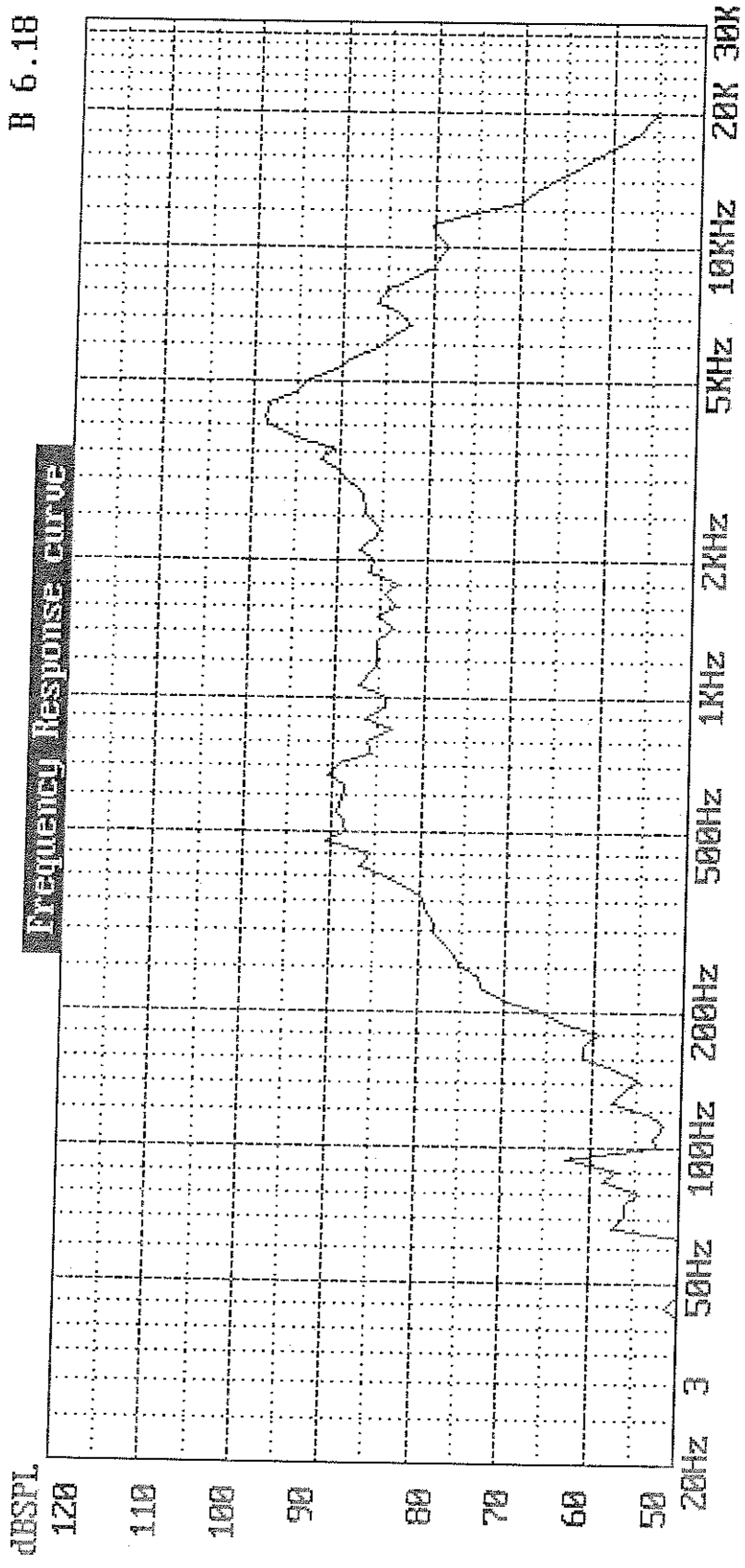


1050Pcs/Carton
7Tray(385*320*370mm)

2A

Firm: Model: DATE: 12-07-2012 TIME: 07:52:09
 1000Hz Sens. = 01.4dB SPL Pass F.R.: Pass DCR: 3.99 Pass
 Average SPL: 65.3dB SPL Pass (1000:1200; 1500; 2000Hz) Sweep Speed: 1/12 Oct.

B 6.18



Voltage applied for **F.F.** = 1.410V **Start F.** = 20Hz **Stop F.** = 20000Hz
 Measuring Distance = 0.50M

Mfg.:

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

OBO PRO. 2 INC.
 2012 DEC 18
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