



SPECIFICATIONS

MODEL NO
OBO-20008F-01

PART NAME
DYNAMIC SPEAKER

SHEET
1 OF 5

ALTERNATION HISTORY

Marking	Date	ECN NO.	REV.	Description	Page	PREPARE BY	APPROVE BY
---	MAY,21.2012	---	A	New Document	5	曾梅梅	謝明福

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
A	MAY,21.2012	曾梅梅	王志偉	謝明福

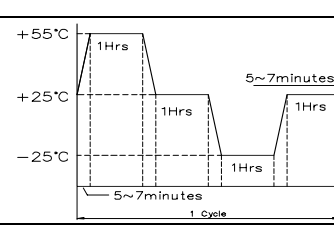
MODEL NO : OBO-20008F-01

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

1. General Specifications

Items	Spec.
Magnet	Materials NdFeB Size: $\Phi 8.0 \times 1.0\text{mm}$
Weight	Approx 6.8Grams
Nominal Impedance	8 Ohm $\pm 15\%$
Power Rating	Normal 0.2W. Maximum 0.4W.
Lowest Resonant Frequency	700 $\pm 150\text{Hz}$.
Output Sound Pressure Level (S.P.L)	75 $\pm 3\text{dB}$ /0.2W/0.5Meter (Secundum IEC-268-5 Statute) Average at 1000,1200,1500,2000Hz.
Frequency Range	400 ~ 6,500 Hz. Average SPL -10dB.
Distortion	5% Maximum At 2400Hz/ 0.2W
Abnormal Sound Test	Must be Normal Tested by 1.26Volts. Sine Wave.
Polarity	Diaphragm shall move Forward when Apply a Positive DC Current to the “+” or “Marked” Terminal.
Operating Temperature	-25 $^{\circ}\text{C}$ to +50 $^{\circ}\text{C}$
Storage Temperature	-25 $^{\circ}\text{C}$ to +55 $^{\circ}\text{C}$

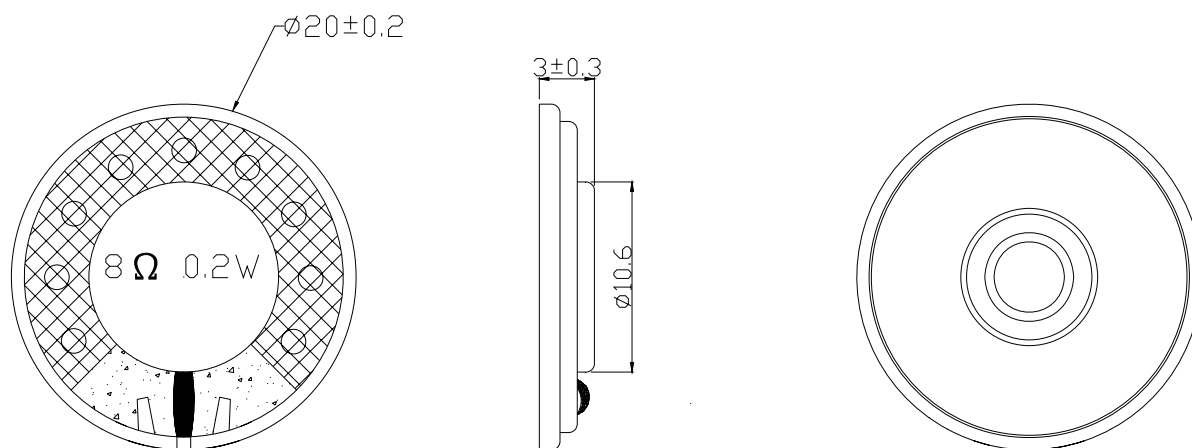
2. Environmental Test

Humidity Test	Temperature: +40 $^{\circ}\text{C} \pm 3^{\circ}\text{C}$ Relative Humidity: 90% ~ 95% Duration: 96 Hours Duration of recovery: 6 Hours	
Temperature Cycle Test	Low Temperature: -25 $^{\circ}\text{C} \pm 3^{\circ}\text{C}$ High Temperature: +55 $^{\circ}\text{C} \pm 3^{\circ}\text{C}$ Duration of recovery: 1 Hours Duration of Transfer Time: Less Than 5 to 7Minutes 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 1.26Volts.(RMS) 100 Hrs. 20~20,000Hz Resonant Frequency.	
Drop Test	70cm Free Falling On Concrete Floor, with 10 times.	

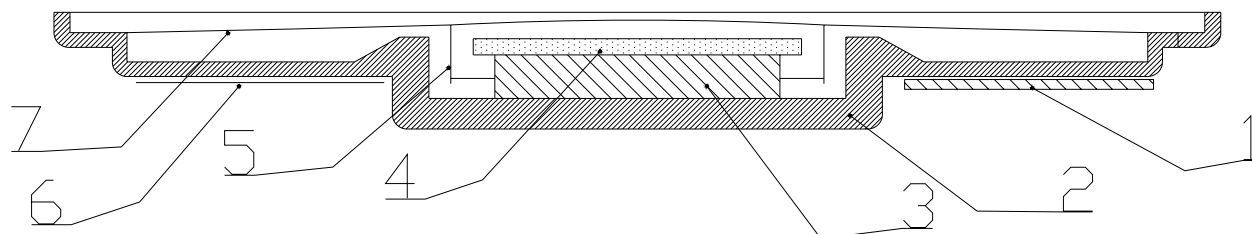
3. Mechanical Layout And Dimensions

3.1 Dimensions

Unit: mm Tol: ± 0.3



3.2 Construction Diagram

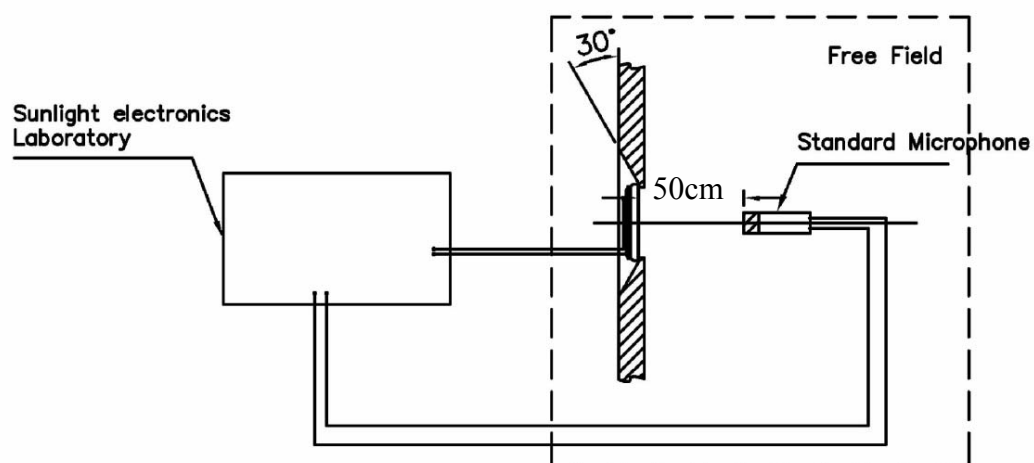


7	DIAPHRAGM	MYLAR	1
6	CLOTH	CLOTH	1
5	VOICE COIL	DIA 8.74mm	1
4	WASHER	SPCC	1
3	MAGNET	NdFeB	1
2	YOKE	SPCC	1
1	TERMINAL	P.C.B	1
NO	PART NAME	MATERIAL	Q'TY

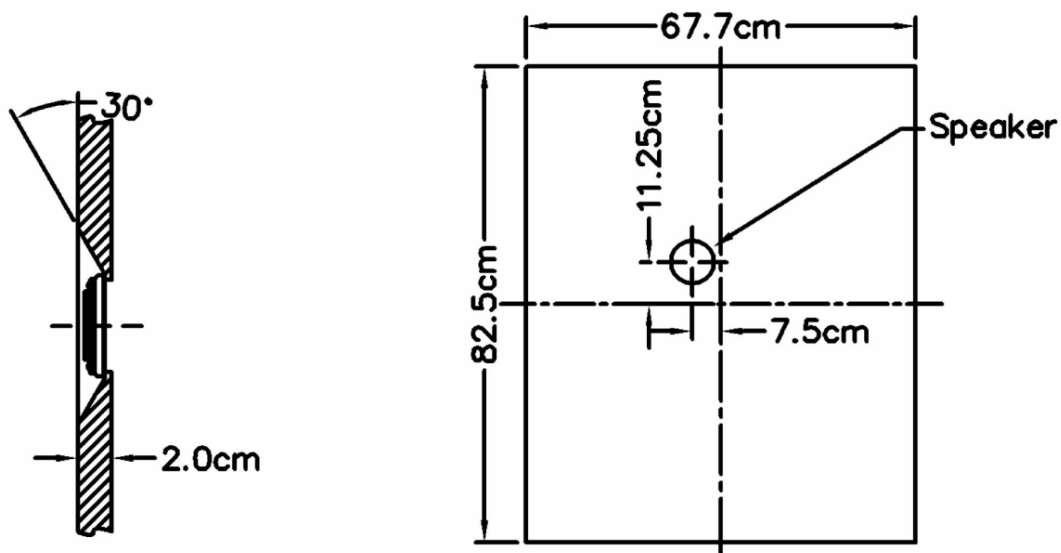
4. Test Method

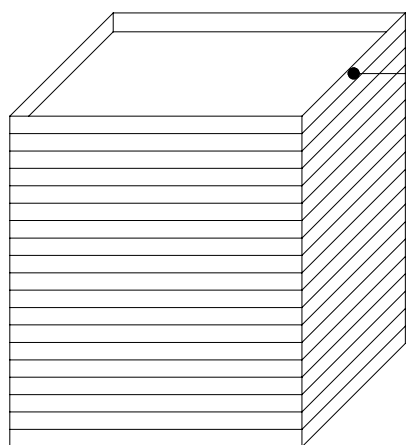
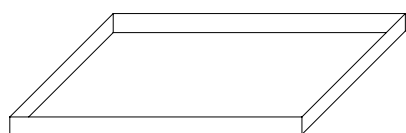
4.1 Measurement Diagram

Electroacoustic
Testing Adapter

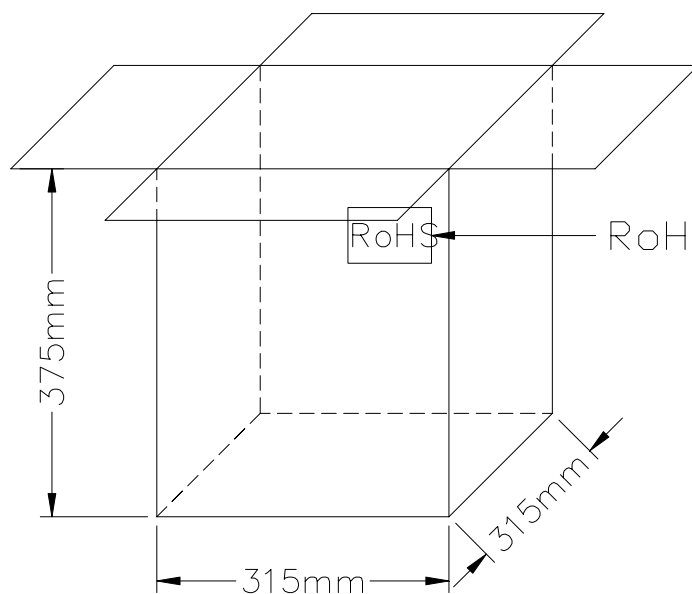
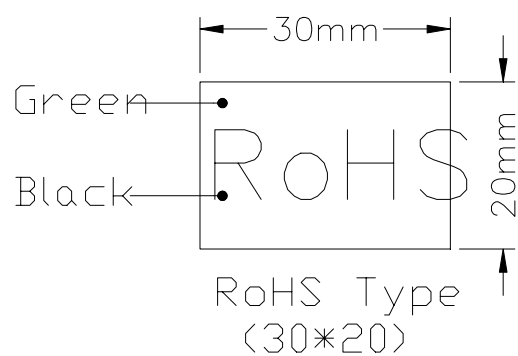


4.2 Standard Baffle



5. Packing

100Pcs/Tray



RoHS Type

2000Pcs/Carton
20Tray(315*315*375mm)