





## SPECIFICATIONS

MODEL NO  
OBO-40008F-04

PART NAME  
DYNAMIC SPEAKER

SHEET  
2 OF 6

MODEL NO : OBO-40008F-04

Features:Conformity REACH Directive(2011/65/EU) Requests.

### 1. General Specifications

Items	Spec.
Magnet	Materials NDFEB Size:Φ12.5*1.5mm
Weight	Approx 9.2Gram
Nominal Impedance	8 Ohm±15% At 1000Hz/1.0V
Power Rating	Normal 1.0W. Maximum 2.0W.
Lowest Resond Frequency	550±150Hz
Output Sound Pressure Level (S.P.L)	87±3 dB/1.0W/0.5M Average at 1000,1200,1500,2000Hz.
Frequency Response Range	350~5000Hz SPL-10dB
Distortion	5% Max 1200Hz/1.0W
Abnormal Sound Test	Must be Normal Tested by 2.83Volts. 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

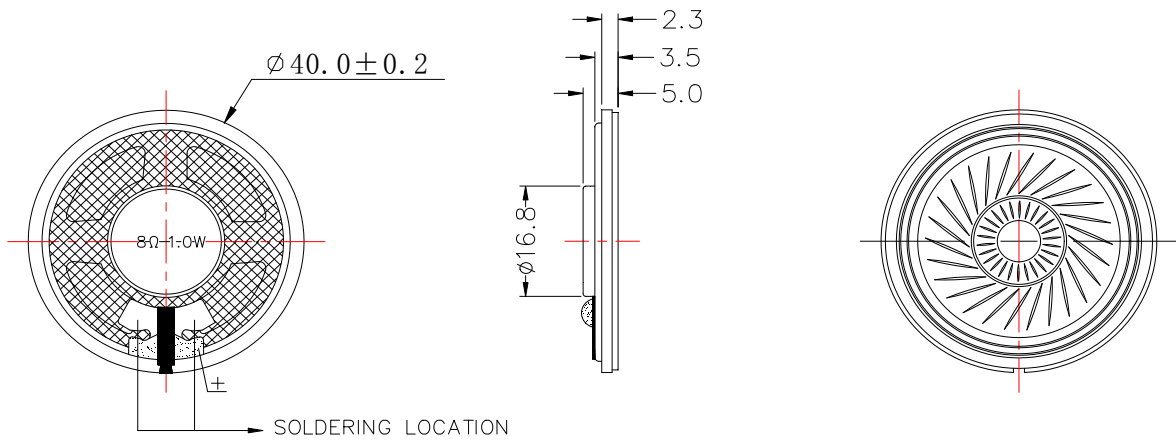
### 2. Environmental Test

Humidity Test	Temperature: +40°C±3°C
	Relative Humidity: 90% ~ 95%
	Duration: 96 Hours
	Duration of recovery: 6 Hours
Temperature Cycle Test	Low Temperature: -25°C±3°C
	High Temperature: +55°C±3°C
	Number of Cycle: 3Cycles
	Duration of Transfer Time Less Than 1 Hours.
Load Test	White Noise With Weighted Filter 2.83Volts.(RSM) 100 Hrs 20~20,000Hz Resonant Fequency.
Drop Test	75cm Free Falling On Counter Floor,10 Times.
Vibration Test	Vibration Direction: 3 axes
	Frequency: 1,000 Cycle/Minute
	Amplitude: 1.5m/m
	Endurance: 1 Hour in Each Plane
	Duration of Transfer Time: Less Than 5 Minutes

**3. Appearance Drawing**

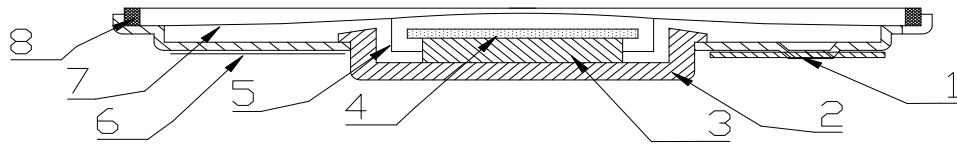
**3.1 Dimensions**

Unit: mm Tolerance:±0.3



❖ 1 PCB Soldering Temperature 280°C~320°C Max for 3 seconds

**3.2 SPEAKER Construction**

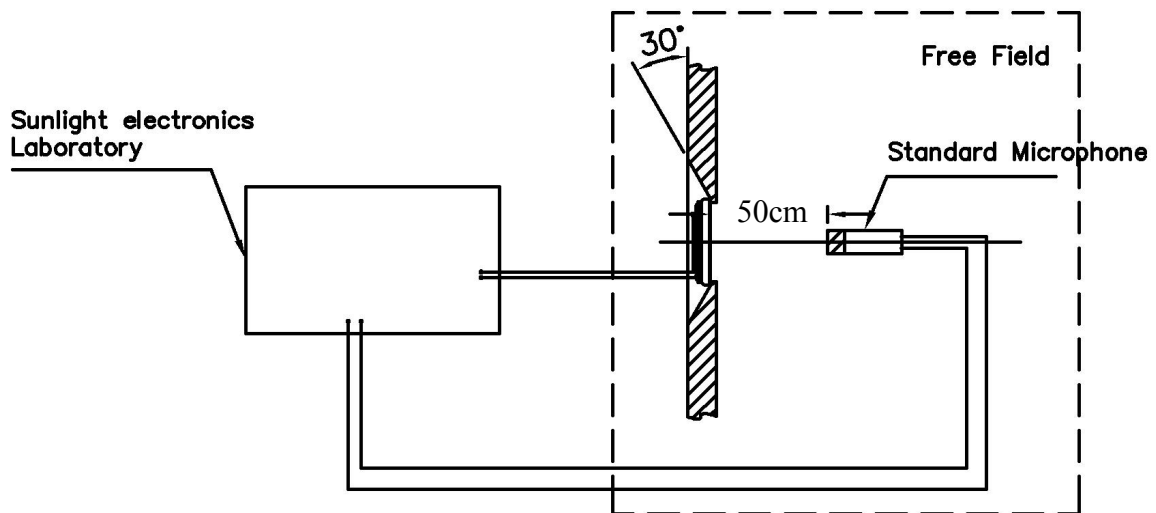


10			
9			
8	GASKET	ABS	1
7	DIAPHRAGM	MYLAR	1
6	CLOTH	CLOTH	1
5	VOICE COIL	DIA 13.25mm	1
4	WASHER	SPCC	1
3	MAGNET	NdFeB	1
2	YOKE	SPCC	1
1	TERMINAL	P.C.B	1
NO	PART NAME	MATERIAL	Q'TY

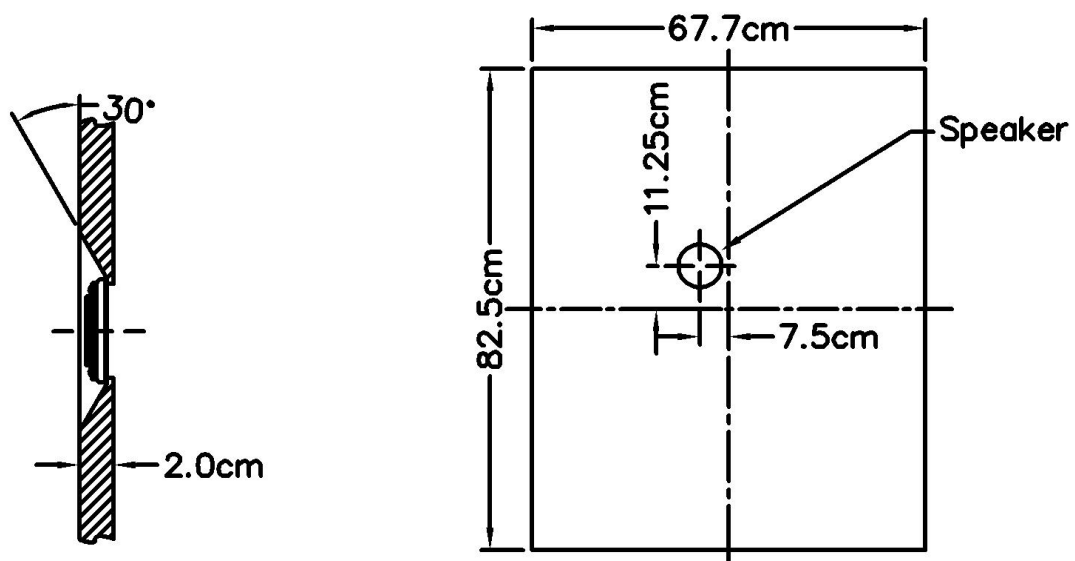
#### 4. Test Method

##### 4.1 Measurement Diagram

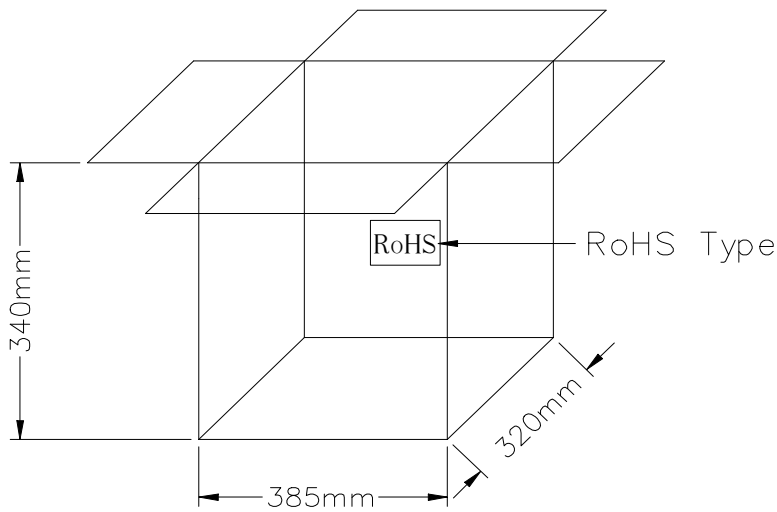
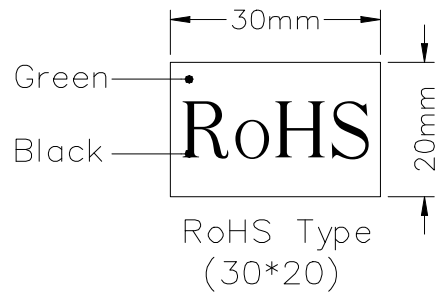
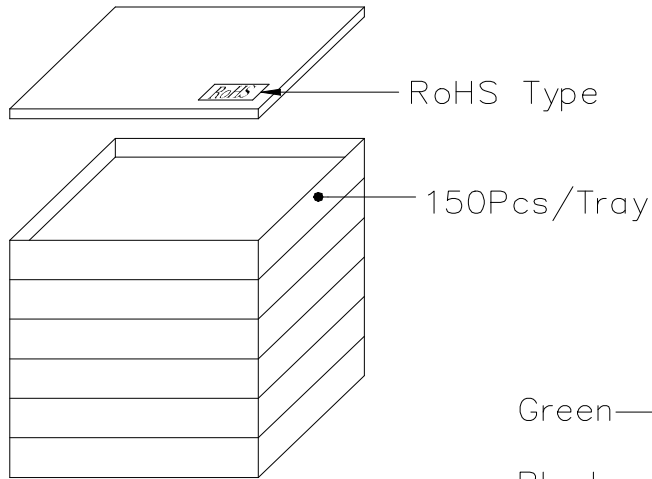
Electroacoustic  
Testing Adapter



##### 4.2 Standard Baffle



**5.PACKAGING ※3**



1050Pcs/Carton  
7Tray(385\*320\*340mm)

### 6. Frequency

