



SPECIFICATIONS

MODEL NO
OBO-40008F-03

PART NAME
DYNAMIC SPEAKER

SHEET
2 OF 6

OBO PRO.2 INC.

2017.09.27

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MODEL NO : OBO-40008F-03

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

1. General Specifications

Items	Spec.
Magnet	Materials NDFEB Size:Φ12.5*1.5mm
Weight	Approx 8.8Gram
Nominal Impedance	8 Ohm±15% At 1000Hz/1.0V
Power Rating	Normal 0.5W. Maximum 1.0W.
Lowest Resond Frequency	550±150Hz
Output Sound Pressure Level (S.P.L)	82±3 dB/0.5W/0.5M Average at 1000,1200,1500,2000Hz.
Frequency Response Range	350~5800Hz SPL-10dB
Abnormal Sound Test	Must be Normal Tested by 2.0Volts. 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

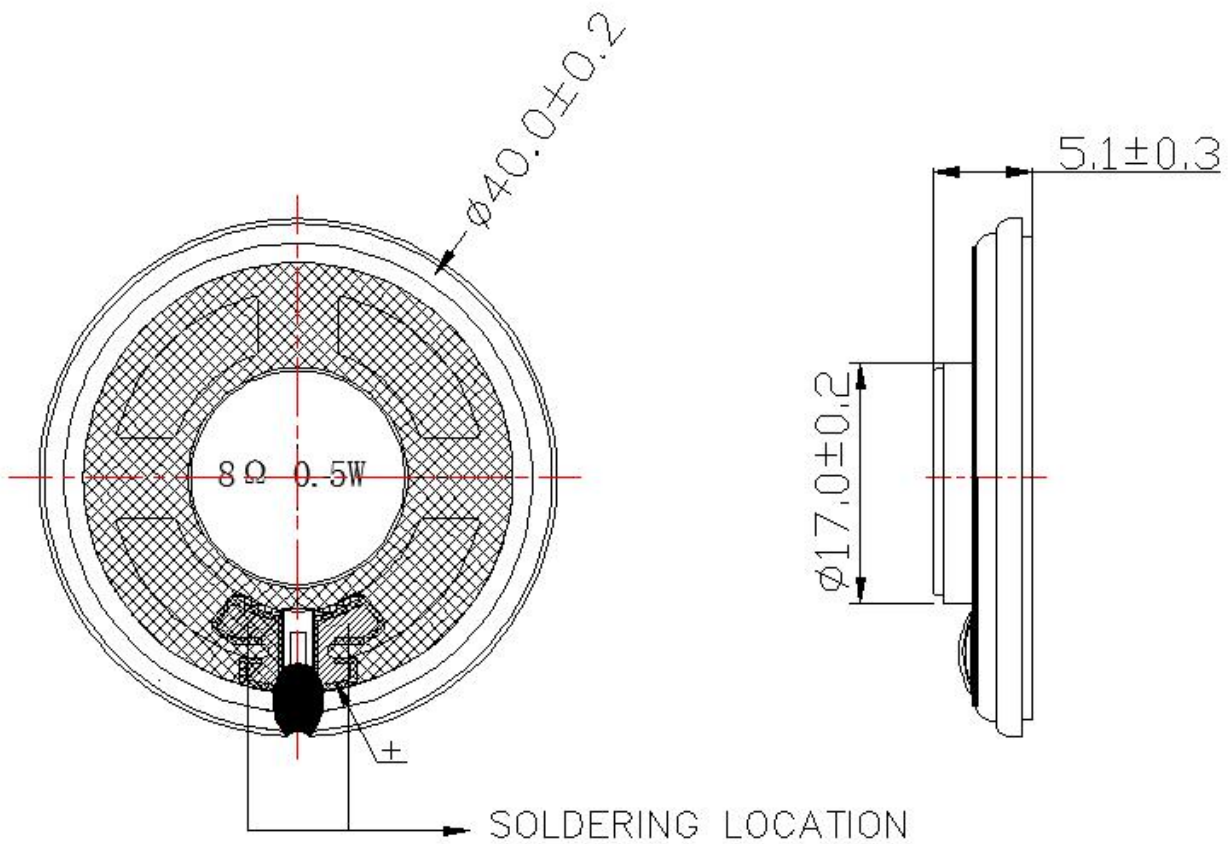
2. Environmental Test

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 2.0Volts.(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

Unit: mm Tolerance:±0.3



※1 PCB Soldering Temperature $280^{\circ}\text{C} \sim 320^{\circ}\text{C}$ Max for 3 seconds

4. Test Method

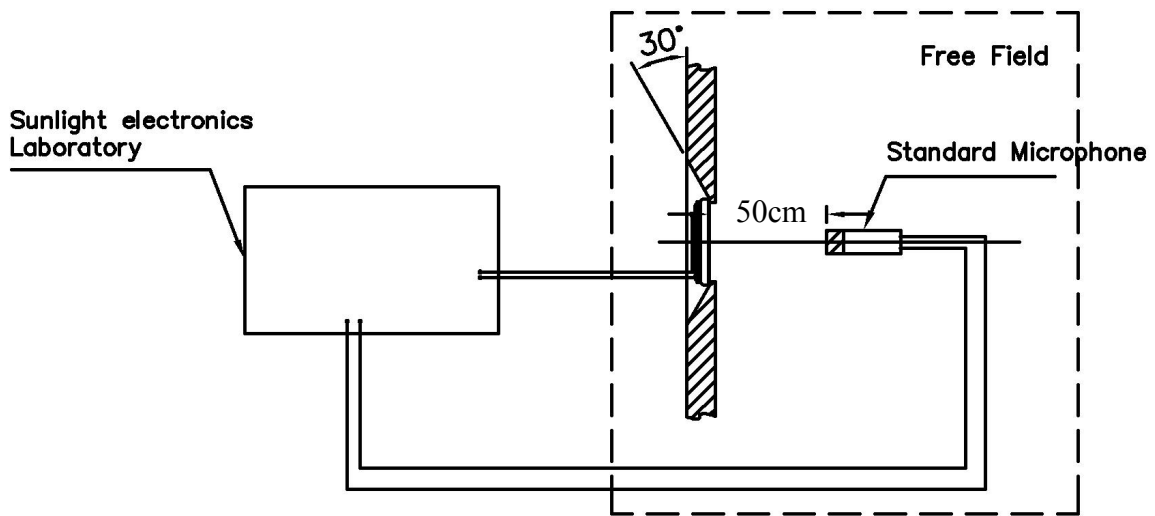
4.1 Measurement Diagram

Electroacoustic
Testing Adapter

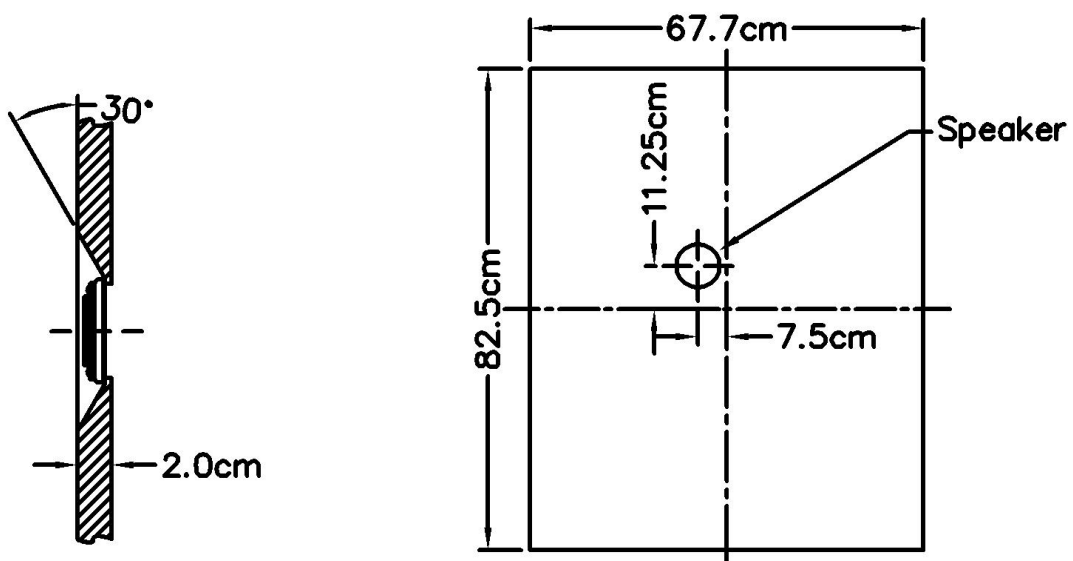
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4.2 Standard Baffle

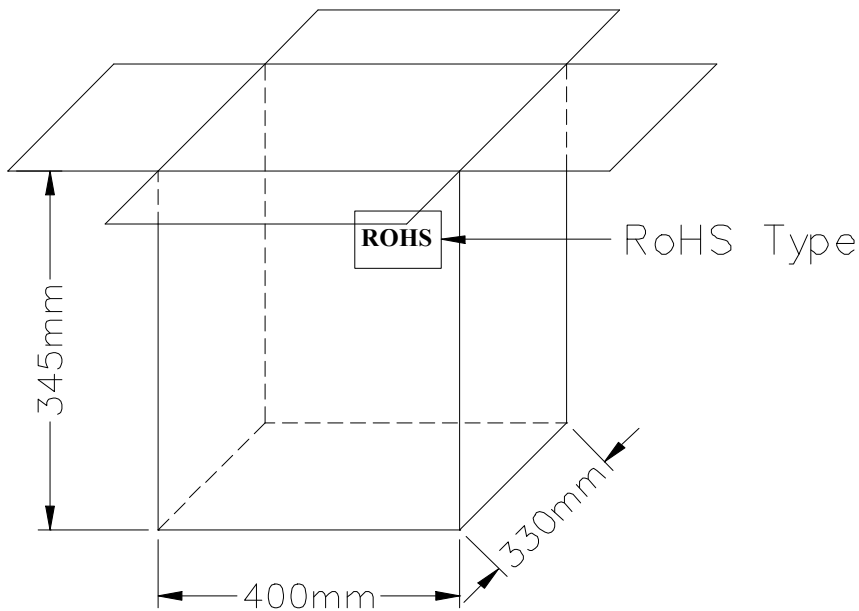
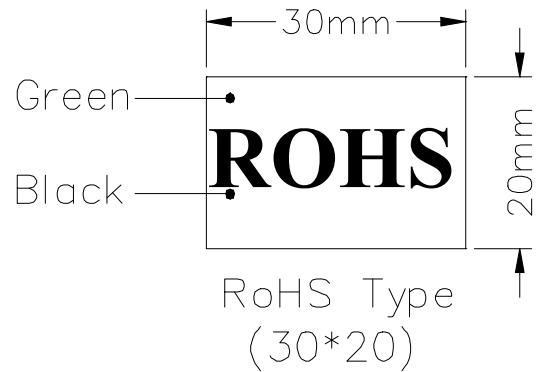
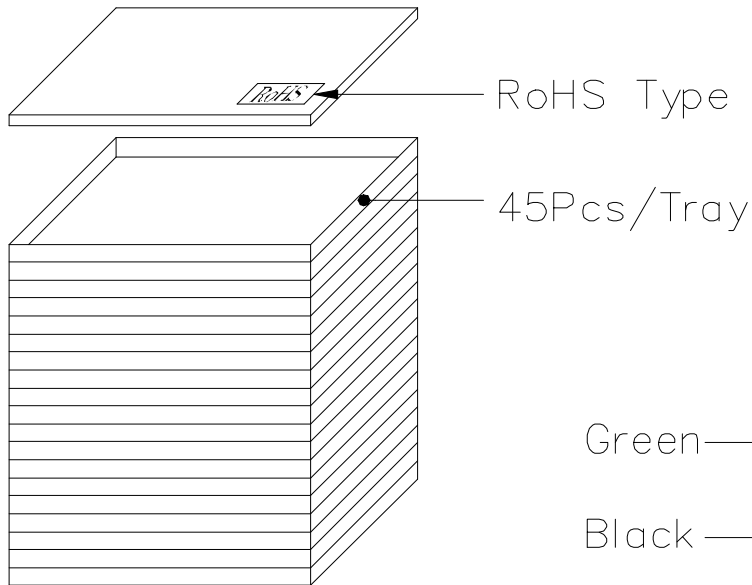


5. PACKAGING ※2

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900Pcs/Carton
20Tray(400*330*345mm)

6. Fequency.

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