



SPECIFICATIONS

MODEL NO
OBO-36008F-02

PART NAME
DYNAMIC SPEAKER

SHEET
2 OF 5

MODEL NO : OBO-36008F-02

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

1. General Specifications

Items	Spec.
Magnet	Materials Rare Earth Size:Φ12.5*1.5
Weight	Approx 8.1Gram
Nominal Impedance	8 Ohm±15% At 1000Hz
Power Rating	Normal 0.2 W. Maximum 0.5W.
Lowest Resond Frequency	550±150Hz
Output Sound Pressure Level (S.P.L)	81±3 dB/0.2W/0.5M Average at 1000,1200,1500,2000Hz.
Frequency Response Range	350~6,000 Hz SPL-10dB
Distortion	5% Max at 1000Hz/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°C TO +50°C
Storage Temperature	-25°C TO +55°C

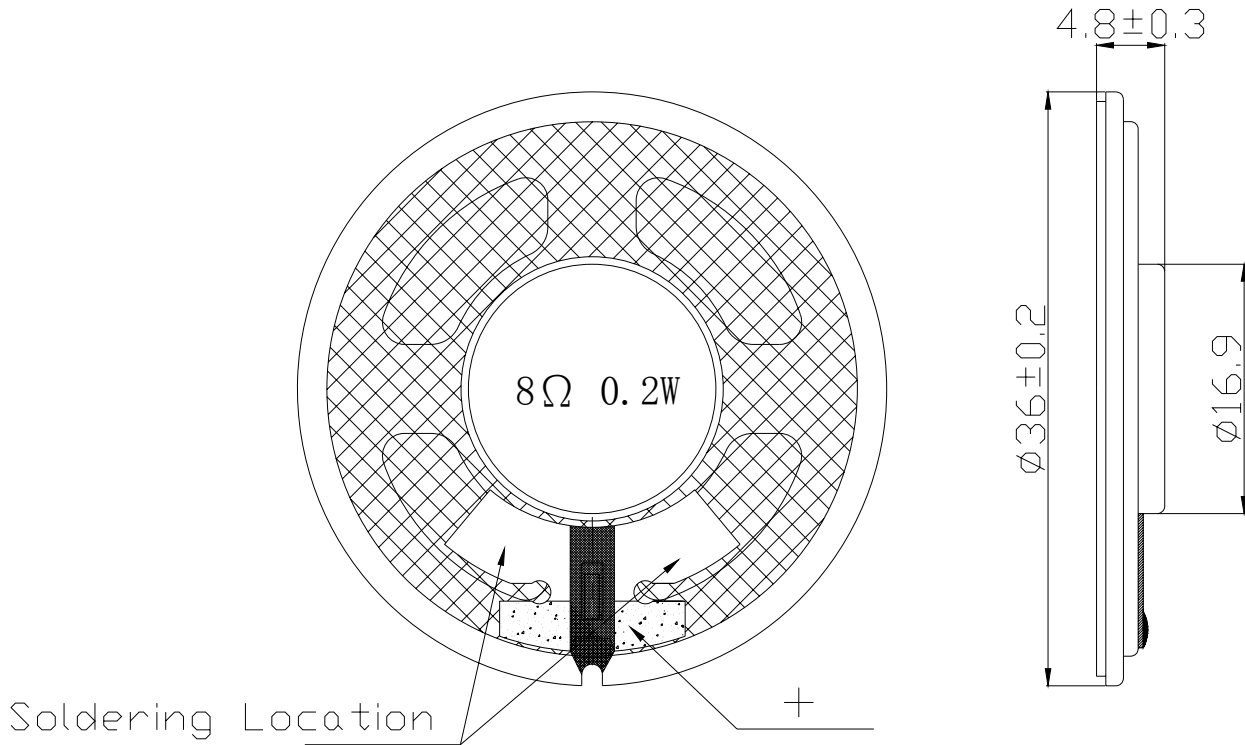
2. Environmental Test

Humidity Test	Temperature: +40°C±3°C
	Relative Humidity: 90% ~ 95%
	Duration: 96 Hours
	Duration of recovery: 6 Hours
Temperature Cycle Test	Temperature: +25°C → +55°C → -25°C → +25°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 1.26Volts.(RMS) 100 Hrs. 20~20,000Hz Resonant Frequency.
Drop Test	75cm Free Falling On Concrete Floor, with 10 times.

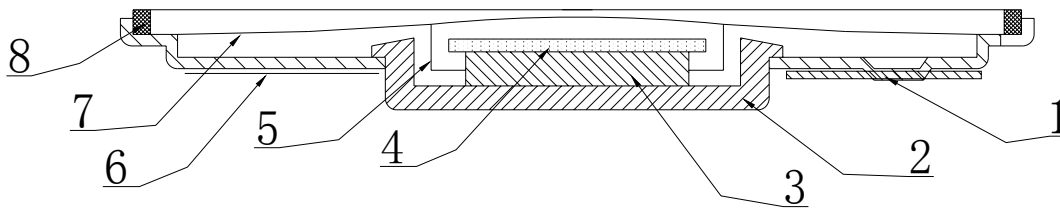
3. Mechanical Layout And Dimensions

3.1 Dimensions

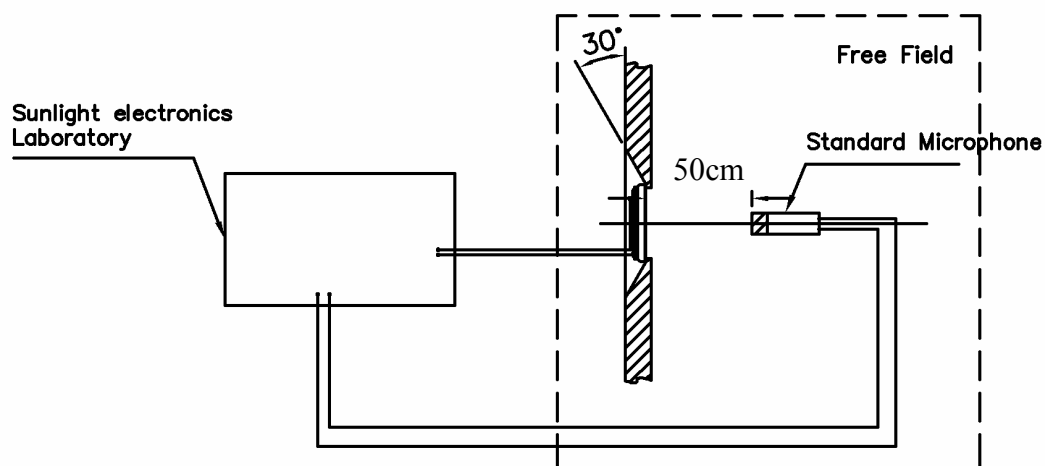
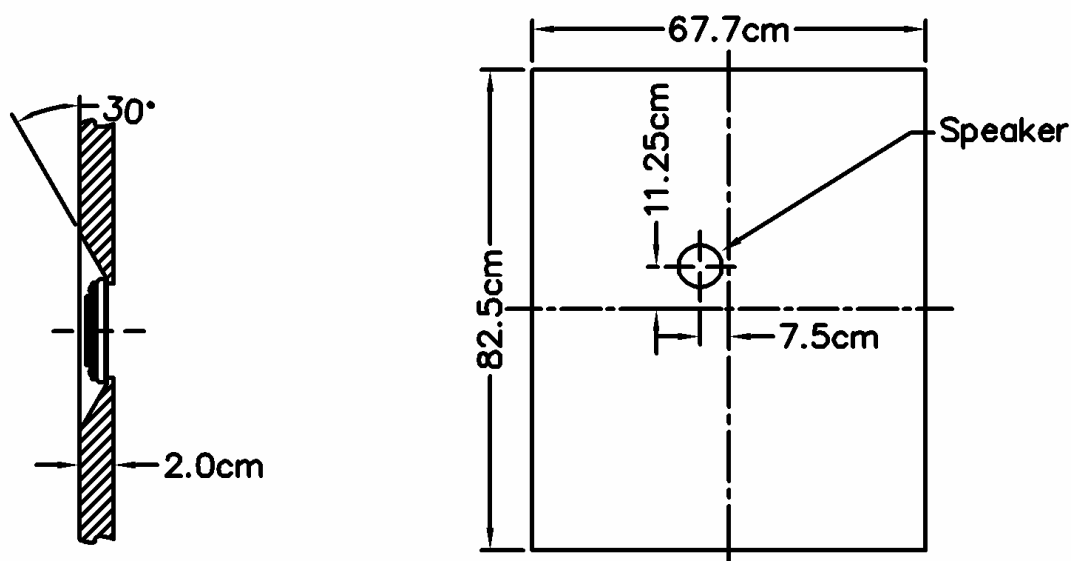
Unit: mm Tolerance:±0.3



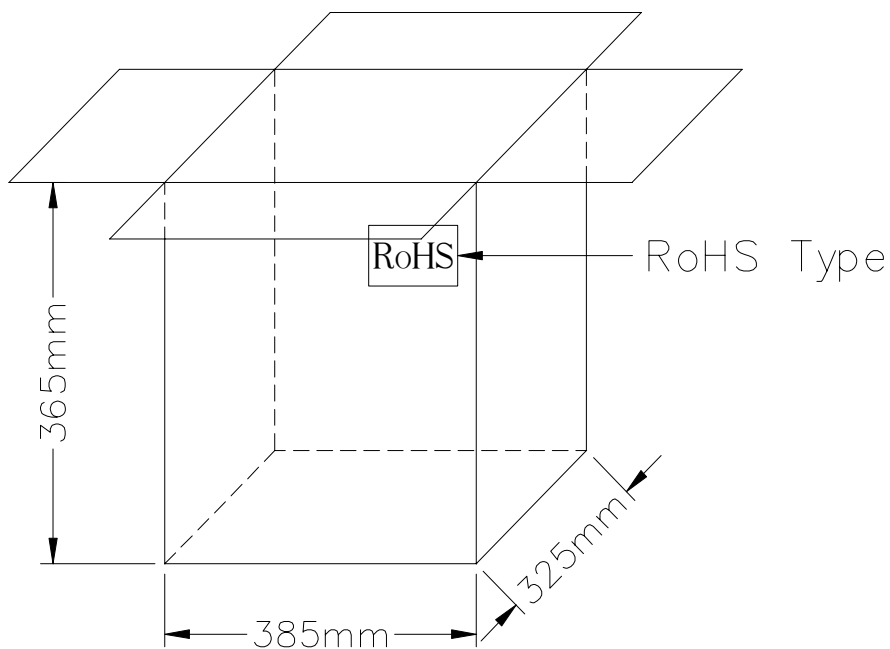
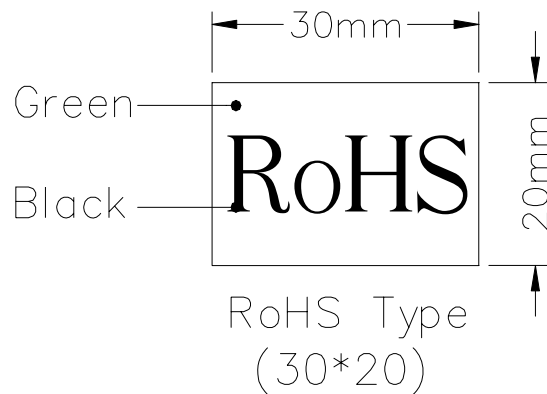
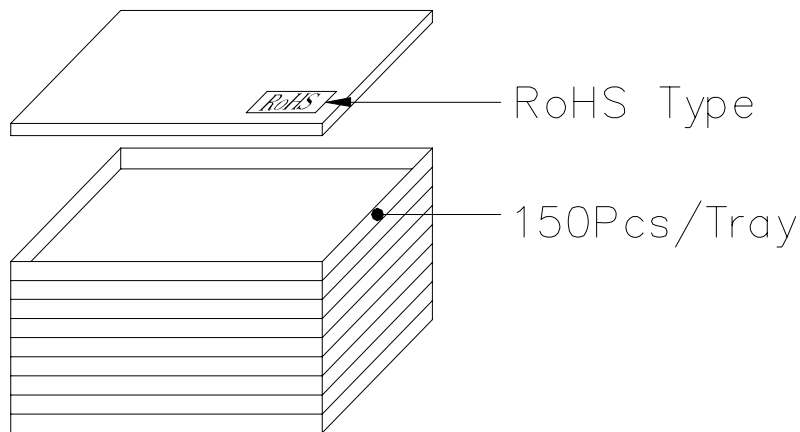
3.2 Construction Diagram



10			
9			
8	CASKET	ABS	1
7	DIAPHRAGM	MYLAR	1
6	CLOTH	CLOTH	1
5	VOICE COIL	DIA 13.45mm	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



1050Pcs/Carton
7Tray(385*325*365mm)