



SPECIFICATIONS

MODEL NO
OBO-32016F-01

PART NAME
DYNAMIC SPEAKER

SHEET
2 OF 5

MODEL NO : OBO-32016F-01

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

1. General Specifications

Items	Spec.
Magnet	Materials NDFEB Size:Φ12.5*1.5mm
Weight	Approx 7.9Gram
Nominal Impedance	16 Ohm±15%
Power Rating	Normal 0.2 5W. Maximum 0.5W
Lowest Resond Frequency	600±150Hz
Output Sound Pressure Level (S.P.L)	96±3dB/0.2 5W/0.1 M Average at 1000,1200,1500,2000Hz.
Frequency Response Range	FO~6,000 Hz, Average SPL-10dB
Distortion	5% Max at 1000Hz/0.25 W
Abnormal Sound Test	Must be Normal Tested by 2.0 Volts. Sine Wave.
Polarity	Diaphragm shall move Forward when Apply a Positive DC Current to the “+” or “Marked” Terminal.
Operating Temperature	-20°C to +50°C
Storage Temperature	-25°C to +55°C

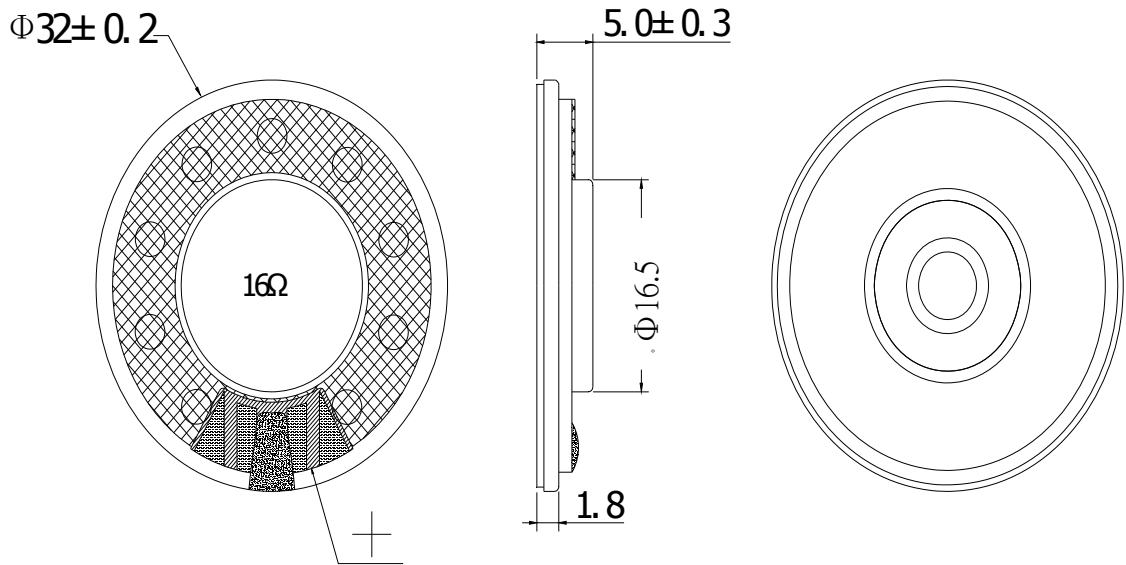
2. Environmental Test

Envieonmental Test (Ability Test)	After any the following tests the Response S.P.L shall not deviate more than ±3dB from the initial value
Humidity Test	Temperature: +40°C±3°C Relative Humidity: 90% ~ 95% Duration: 96 Hours Duration of recovery: 6 Hours
Temperature Cycle Test	Temperature: +55°C→+25°C→-25°C→+25°C Duration: 1Hour 1Hour 1Hour 1Hour Cycle: 3Cycles
Vibration Test	Vibration Direction: 3 axes Mounting: Unit Shall Be Rigidly Restrained On The Table Frequency: 1000 Cycle/minute Amplitude: 1.5m/m Endurance: 1 Hour in Each Plane Duration of Transfer Time: Less Than 5 Minutes
Load Test	White Noise With Weighted Filter 2.0 Volts.(RMS) 96 Hrs. 20~20,000Hz Resonant Frequency.
Drop Test	75cm Free Falling On 1CM Wood Floor, with 10 times.

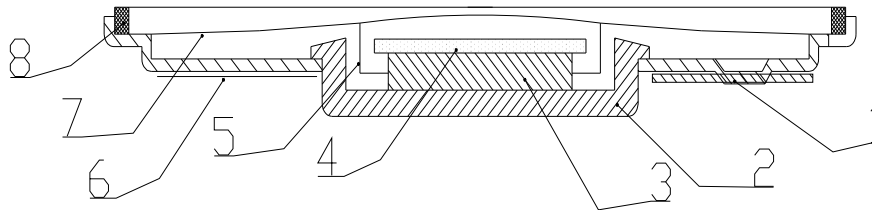
3. Mechanical Layout And Dimensions

3.1 Dimensions

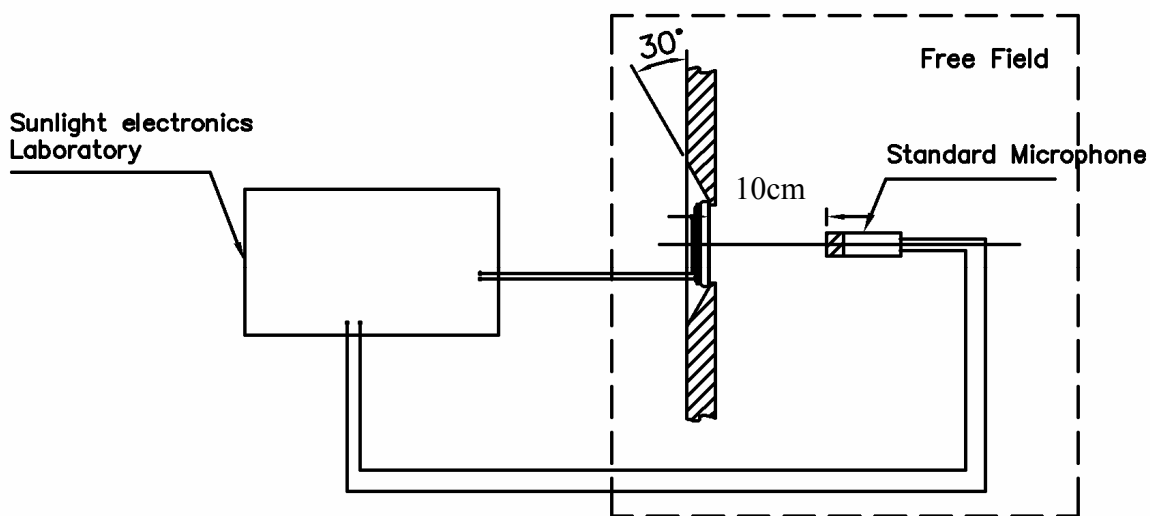
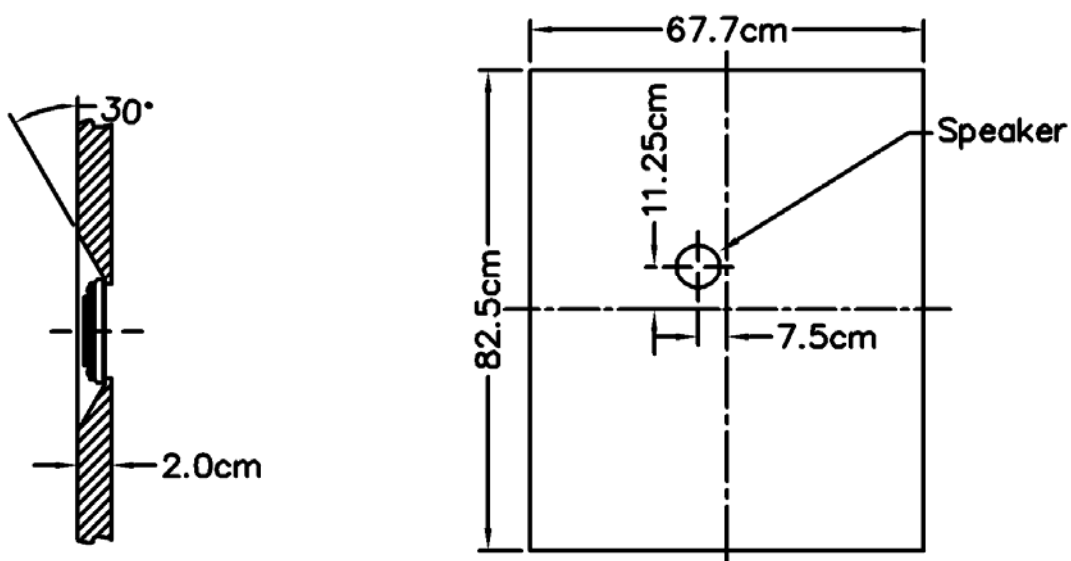
Unit: mm Tolerance: ±0.3



3.2 Speaker Construction



10			
9			
8	GASKET	ABS	1
7	DIAPHRAGM	MYLAR	1
6	CLOTH	CLOTH	1
5	VOICE COIL	DIA 13.4mm	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**



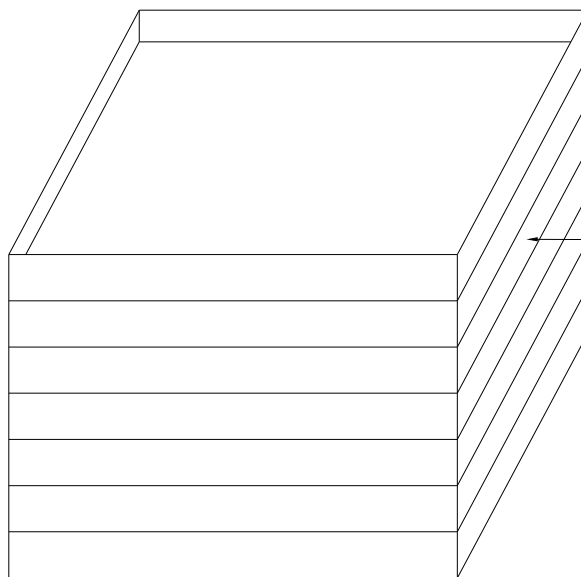
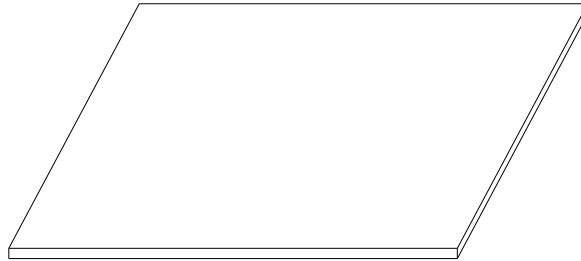
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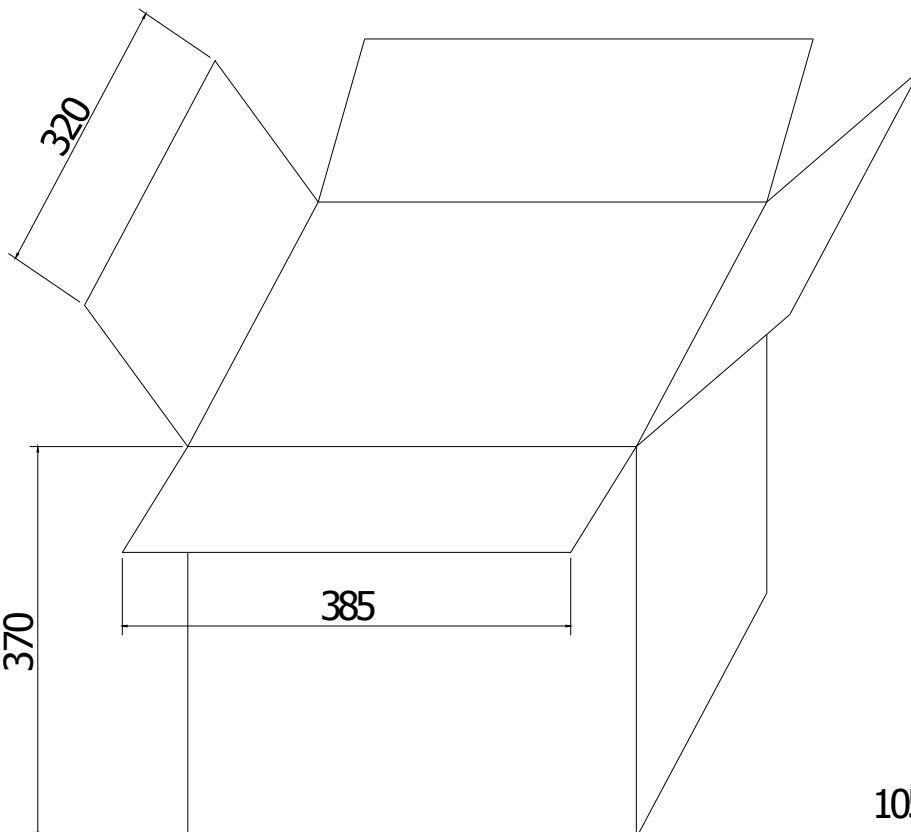
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5 OF 5

5. Packing



150pcs/Tray



1050pcs/ Carton