



SPECIFICATIONS

MODEL NO
OBO-13008F-0603

PART NAME
DYNAMIC SPEAKER

SHEET
2 OF 6

MODEL NO : OBO-13008F-0603

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

1. General Specifications

Items	Spec.
Weight	Approx 1.0 Grams
Nominal Impedance	8 Ohm±15% At 1600 Hz /1.0V
Power Rating	Normal 0.3W. Maximum 0.5W.
Lowest Resonant Frequency	1050±20%Hz.
Output Sound Pressure Level (S.P.L)	88±3dB /1.55V/0.1Meter ,Average at 1000,1200,1500,2000Hz.
Frequency Range	F700 ~ 7,000 Hz. Average SPL -10dB.
Distortion	10% Maximum At 1200Hz/1.55V
Diaphragm over buffer	0mm,Sin wave 1.55V,at 50 ~ 5000Hz
Polarity test	Diaphragm Shall Move Forward When Apply a Positive DC Current To The"+" or "Marked" Terminal.
Buzzes & Rattles	Sine wave between at 1.55Vrms/50~5000Hz
Operating Temperature	-25°C to +50°C
Storage Temperature	-25°C to +55°C

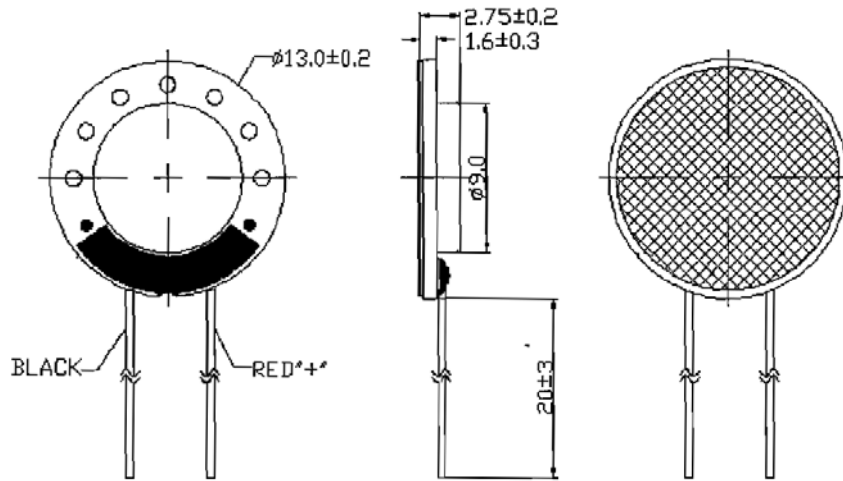
2. Environmental Test

Humidity Test	Temperature:	+40°C±3°C
	Relative Humidity:	90% ~ 95%
	Duration:	96 Hours
	Duration of recovery:	6 Hours
Temperature Cycle Test	Temperature:	+55°C →+25°C →-25°C →+25°C
	Duration :	1Hour 1Hour 1Hour 1Hour
	Cycle :	3 Cycles
Drop Test	75cm Free Falling On Concrete Floor, with 10 times.	
Load Test	White Noise With Weighted Filter 1.55Volts.(RSM) 100Hrs.	

3. Mechanical Layout And Dimensions

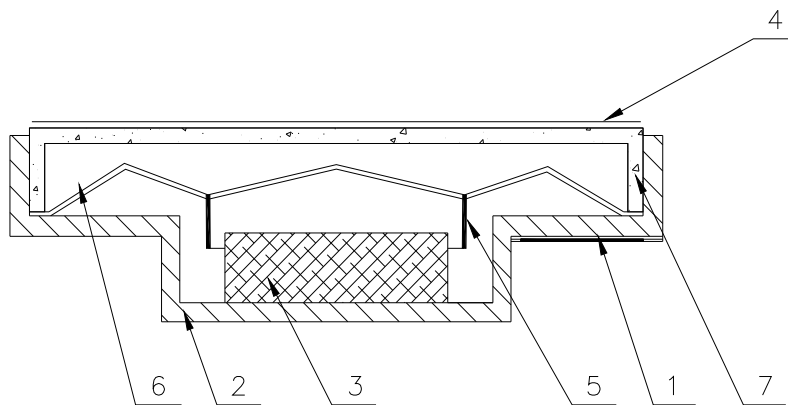
3.1 Dimensions

Unit:mm Tolerance:±0.2mm



WIRE : UL1571#28

3.2 Construction Diagram

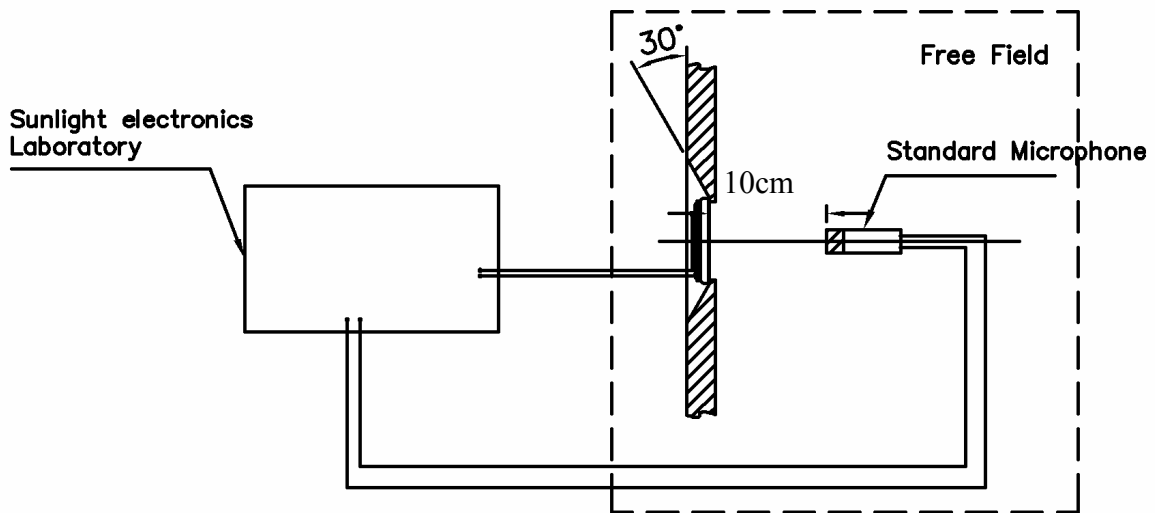


NO	PART NAME	MATERIAL
1	TERMINAL	P.C.B
2	FERAME	SPCC
3	MAGNET	NDFEB
4	WASHER	SPCC
5	VOICE COIL	DIA 7.4mm
6	DIAPHRAGM	MYLAR
7	COVER	STAINLESS STEEL
8	CLOTH	CLOTH

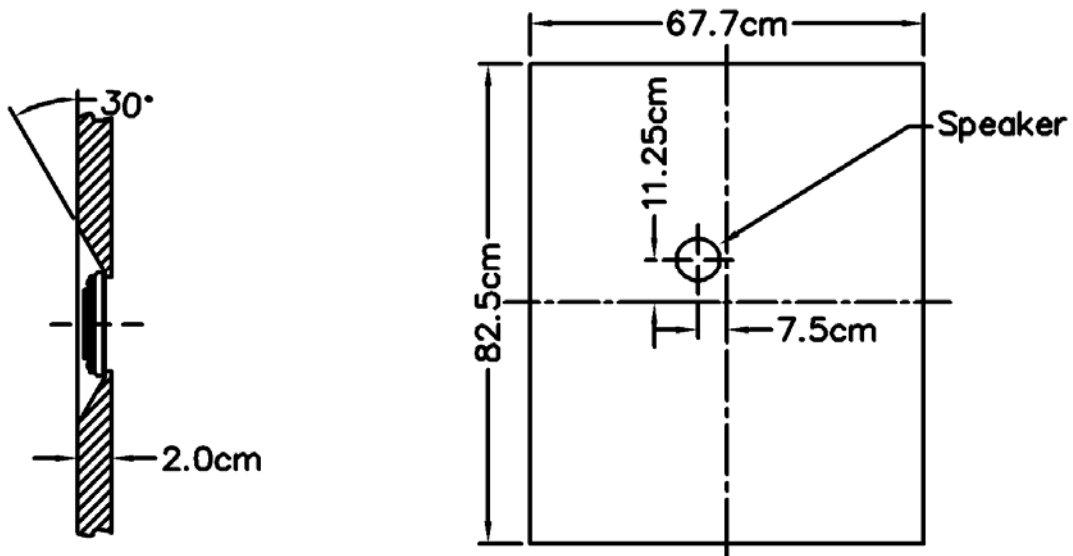
4. Test Method

4.1 Measurement Diagram

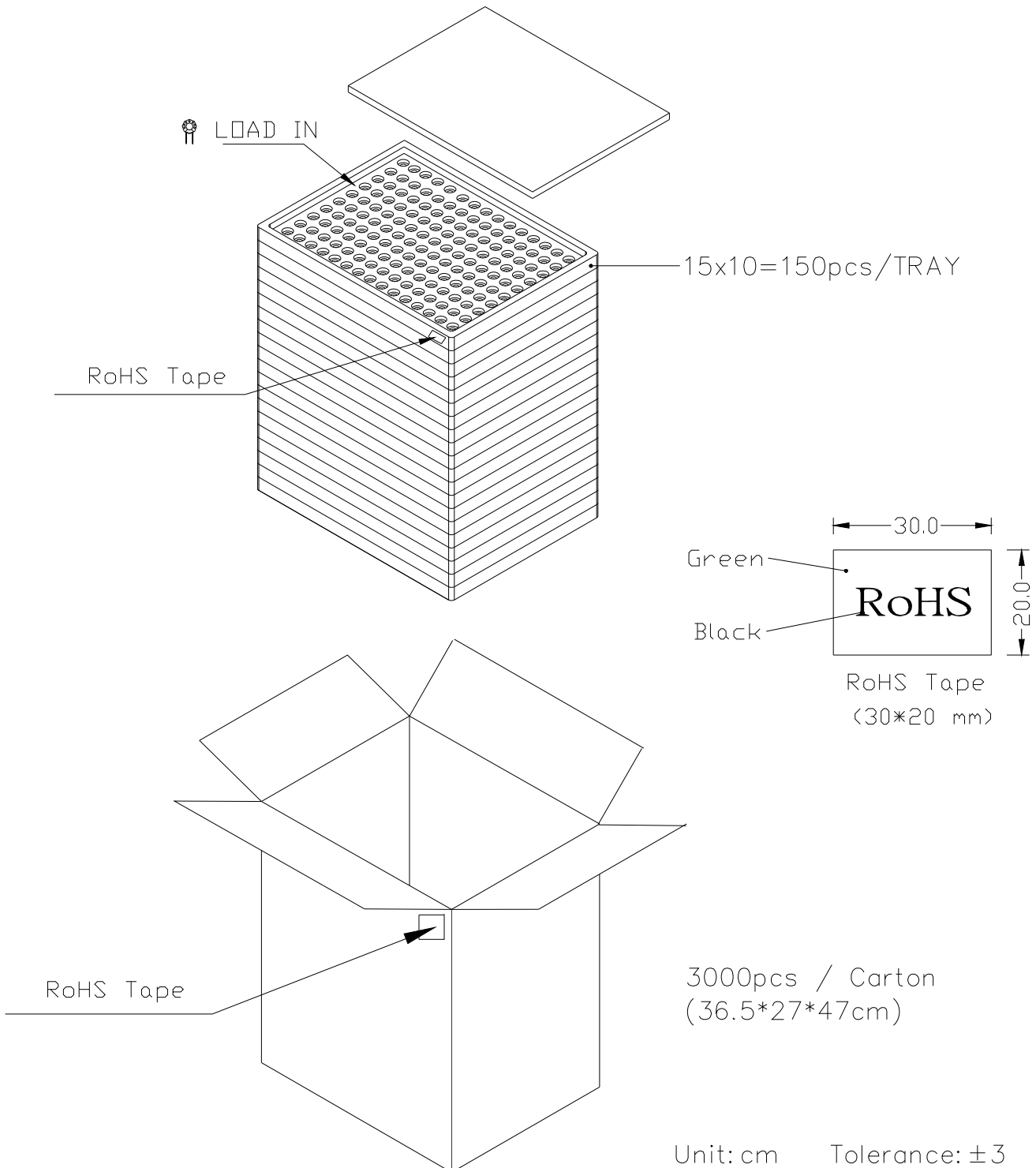
Electroacoustic
Testing Adapter



4.2 Standard Baffle



5.Packing Standard



6.Frequency Response Curve

