

OBO Pro.2**SPECIFICATIONS****PART NAME**
DYNAMIC SPEAKER**MODEL NO. OBO-10032F-05**
SHEET 2 OF 6
發行章**MODEL NO : OBO-10032F-05****Features:Conformity RoHS Directive(2002/95/EC) Requests.****1. General Specifications**

Items	Spec.
Weight	Approx 0.7 Grams
Nominal Impedance	32 Ohm $\pm$ 15% At 1200 Hz/0.2V
Power Rating	Normal 10mW. Maximum 20mW.
Lowest Resonant Frequency	700 $\pm$ 150Hz.
Output Sound Pressure Level (S.P.L)	98 $\pm$ 3dB /0.178V (Artificial Ear IEC-318)Average at 1000~2000Hz.
Frequency Range	400 ~ 6,000 Hz. Average SPL -20dB.
Distortion	5% Maximum At 1000Hz/0.178V
Abnormal Sound Test	Must be Normal Tested by 0.56Volts. Sine Wave 50~5000Hz
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

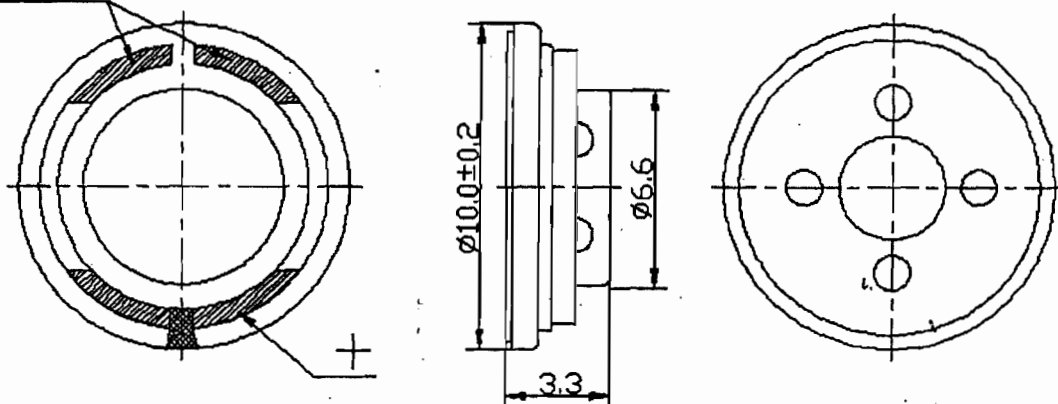
2. Environmental Test

Humidity Test	Temperature:	+40°C $\pm$ 3°C
	Relative Humidity:	90% ~ 95%
	Duration:	96 Hours
	Duration of recovery:	6 Hours
Temperature Cycle Test	Temperature:	+55°C $\rightarrow$ +25°C $\rightarrow$ -25°C $\rightarrow$ +25°C
	Duration:	1Hour 1Hour 1Hour 1Hour
	Cycle:	3 Cycles
Load Test	White Noise With Weighted Filter 0.56 Volts.(RMS) 100 Hz.	

3. Mechanical Layout And Dimensions

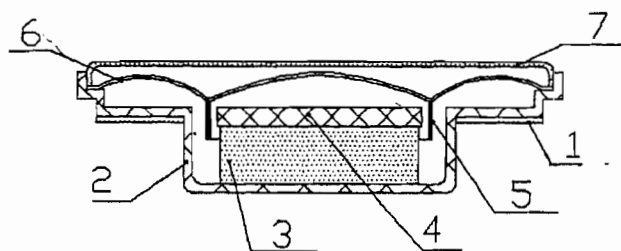
3.1 Dimensions

Soldering Location



Unit: mm Tol: ± 0.3

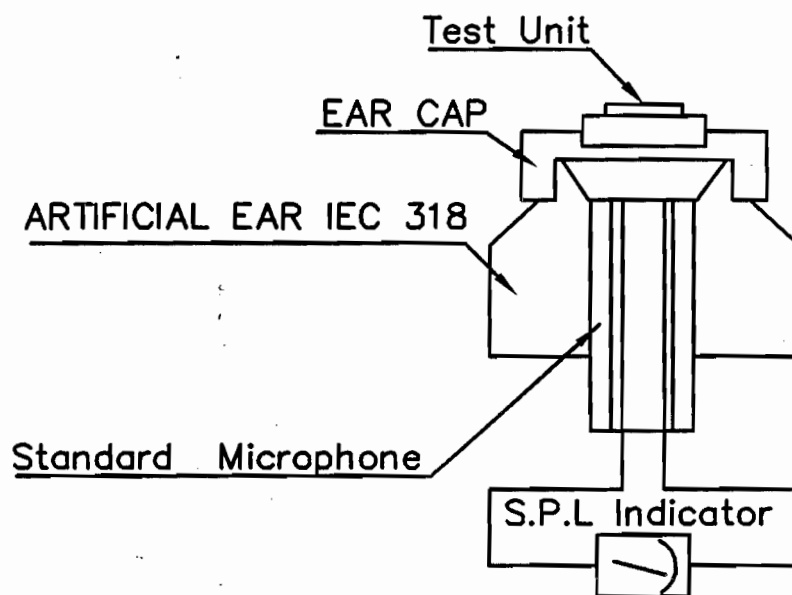
3.2 Construction Diagram



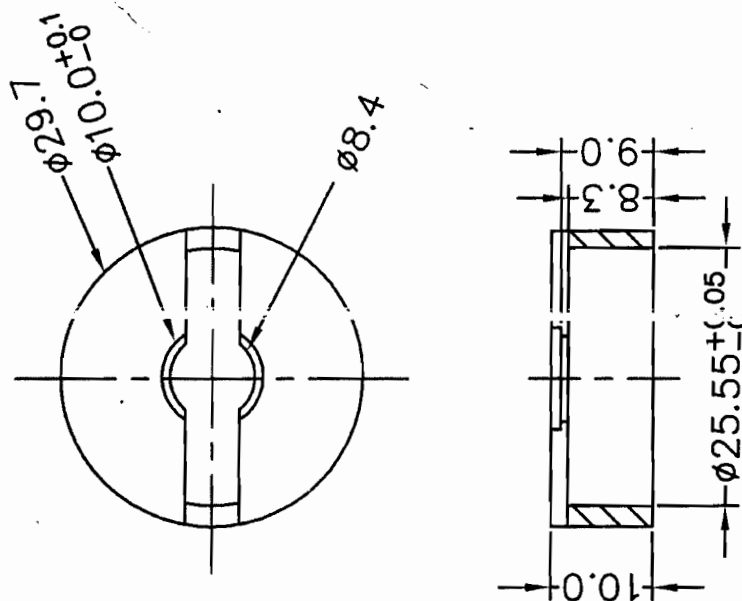
NO	Part Name	MATERIAL
1	Terminal	P.C.C
2	Yoke	SPCC
3	Magnet	NdFeB
4	Washer	SPCC
5	Voice Coil	DIA 5.26mm
6	Diaphragm	MYLAR
7	Cover	Stainless steel

4. Test Method

4.1 Measurement Diagram



4.2 Ear Cap



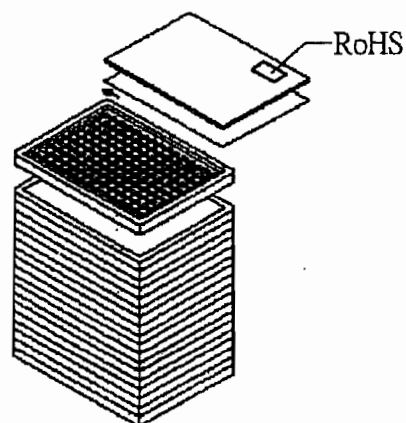
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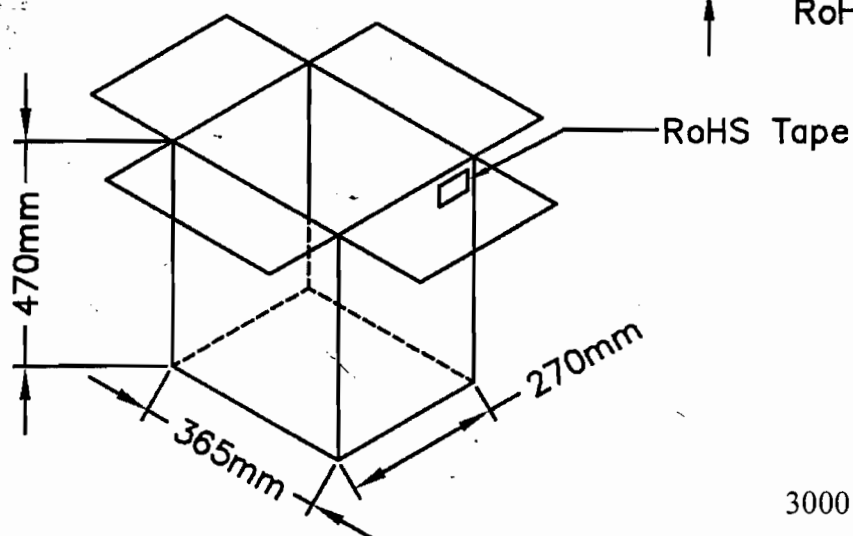
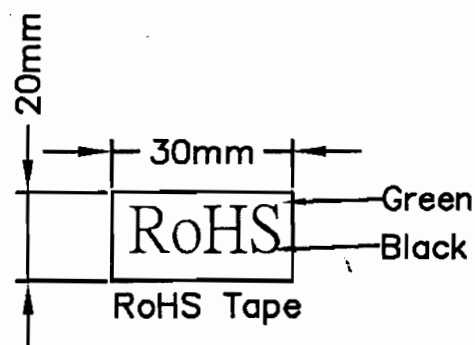
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5. Packing



150Pcs/Tray



3000 Pcs/Carton
20Tray(365*270*470mm)

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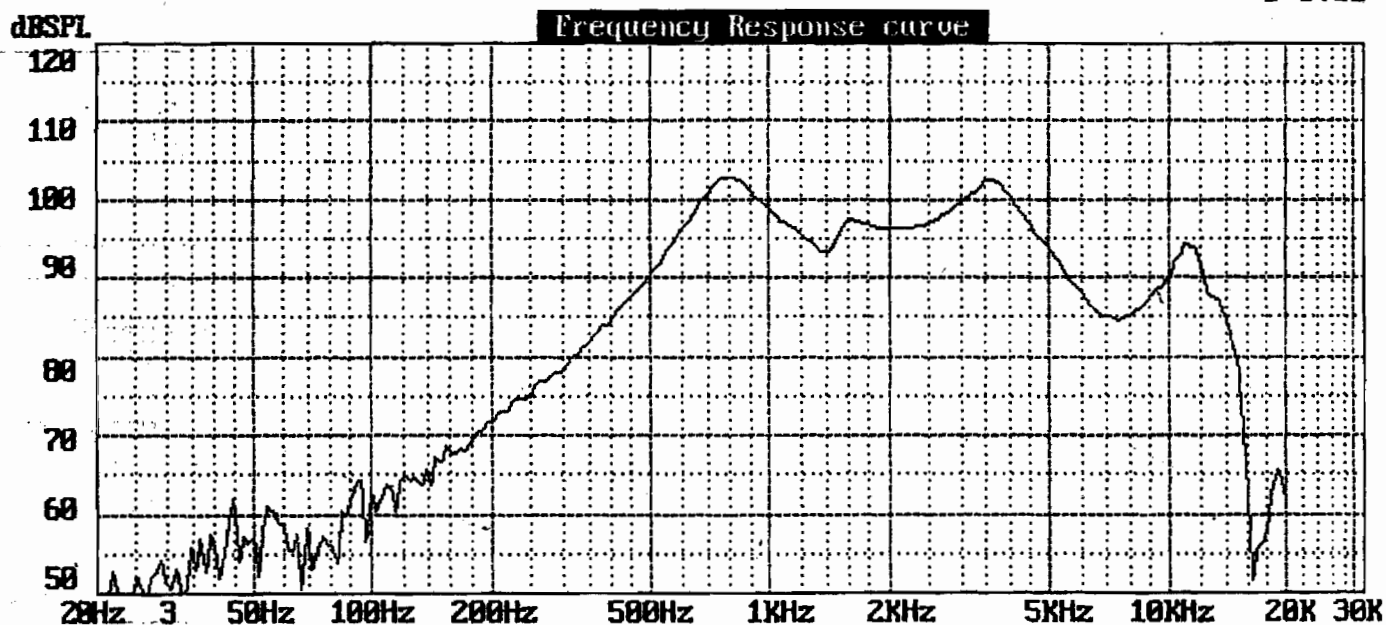
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6.Frequency Response Curve

Firm: OBO Model: DATE: 12-17-2008 TIME: 18:17:46
1000Hz Sens.: 98.8dB SPL Pass F.R.: Pass DCR: 29.92Ω Pass
Average SPL: 96.7dB SPL Pass (1000~2000Hz) Sweep Speed: 1/24 Oct.

B 6.11



Voltage applied for F.R. = 0.178V Start F. = 20Hz Stop F. = 20000Hz

Mfg.:

Measured using Sunlight 1600; Fax: 886-2-22230727