

SPECIFICATION FOR APPROVAL

規 格 書

No. :

Customer Name:

客 戶 名 稱: _____

Part Description:

產 品 名 稱: _____ **Speaker** _____

Customer Part No.:

客 戶 型 號: _____

OBO Model No.:

我 司 型 號: _____ **DS40008F-2502** _____

Date:

日 期: _____ **2013-3-12** _____

APPROVAL SIGNATURES & STAMP

公 司 承 認 簽 章

Please kindly test and approve our samples and return this form by fax or email.

Thanks for your kind attention and co-operation.

(請對我司樣品給予承認，承認後加蓋承認章，以 Fax 或 Email 方式傳回，謝謝貴公司的支持與合作。)

OBO Pro.2 INC.

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SPECIFICATIONS

MODEL NO
OBO-40008F-2502

PART NAME
DYNAMIC SPEAKER

SHEET
2 OF 6

MODEL NO : OBO-40008F-2502

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

1. General Specifications

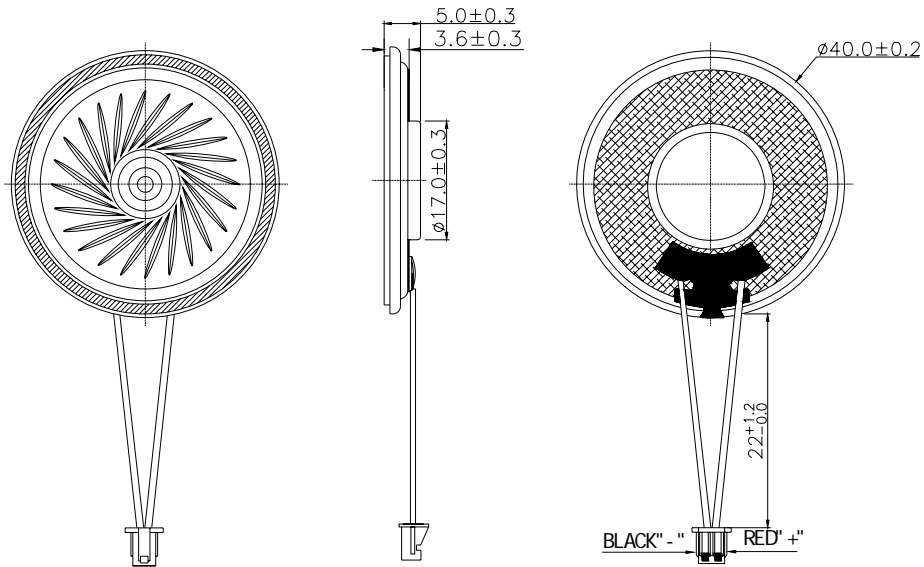
Items	Spec.
Magnet	Materials Nd-Fe-B
Weight	Approx 9.4Grams
Nominal Impedance	8 Ohm \pm 15% At 1000 Hz/1.0V
Power Rating	Normal 0.5 W. Maximum 1.0 W.
Lowest Resonant Frequency	480.0 \pm 150Hz.
Output Sound Pressure Level (S.P.L)	OBO : 118 \pm 3dB /1mW/0.01Meter savox : 122 \pm 3dB /1mW/0.01Meter Average at 1KHz. (With IEC-318Coupler and special earpiece)
Setting frame	1KHz Normalize/300/ \pm 4db/500/ \pm 4db/1K/ \pm 3db/2K/ \pm 4db/3K/ \pm 5db °
Frequency Range	F0 ~ 12,000 Hz. Average SPL -10dB.
Distortion	10% Maximum at 1000Hz/0.5W
Abnormal Sound Test	Must be Normal Tested by 2.0 Volts. Sine Wave for 50~5KHz.
Polarity	Diaphragm Shall Move Forward When Apply a Positive DC Current To The “+” or “marked” Terminal
Operating Temperature	-25°C to +65°C
Storage Temperature	-25°C to +65°C

2. Environmental Test

Humidity Test	Temperature:	+40°C \pm 2°C
	Relative Humidity:	90% ~ 95%
	Duration:	96 Hours
Heat Test	Temperature:	+55°C \pm 2°C
	Duration:	96 Hours
Cold Test	Temperature:	-25°C \pm 2°C
	Duration:	96 Hours
Temperature Cycle test	- 25~ + 65 °C 5 Cycles Temperature test.	
Vibration Test	Vibration Direction:	x. y. z axis
	Frequency :	30 \pm 15 Hz,
	Amplitude:	1.5m/m
	Endurance:	2 Hours per axis
Drop Test	75 CM free falling on Concrete floor, 10 times.	
Load Test	White Noise for 96 Hours at 0.5W input power.	

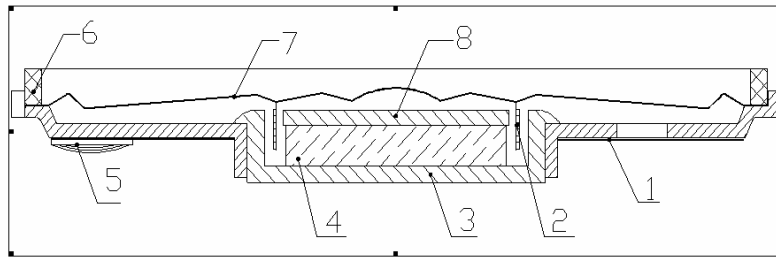
3. Mechanical Layout And Dimensions

3.1 Dimensions



Wire UL1571 AWG 30# 2P-1.25

3.2 Speaker Construction



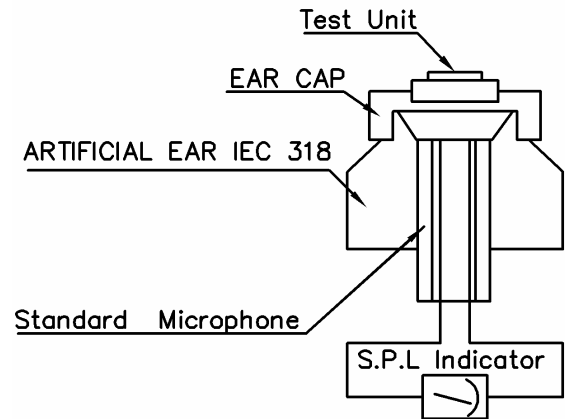
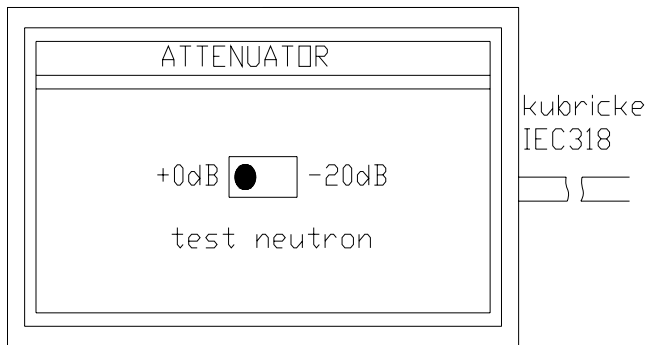
NO	PART NAME	MATERIAL	Q`TY
1	CLOTH	CLOTH	1
2	VOICE COIL	COPPER	1
3	MAGNET	Nd-Fe-B	1
4	FRAME	SPCC	1
5	TERMINAL	FR-4	1
6	GASKET	ABS	1
7	DIAPHRAGM	MYLAR	1
8	WASHER	SPCC	1

4. Test Method

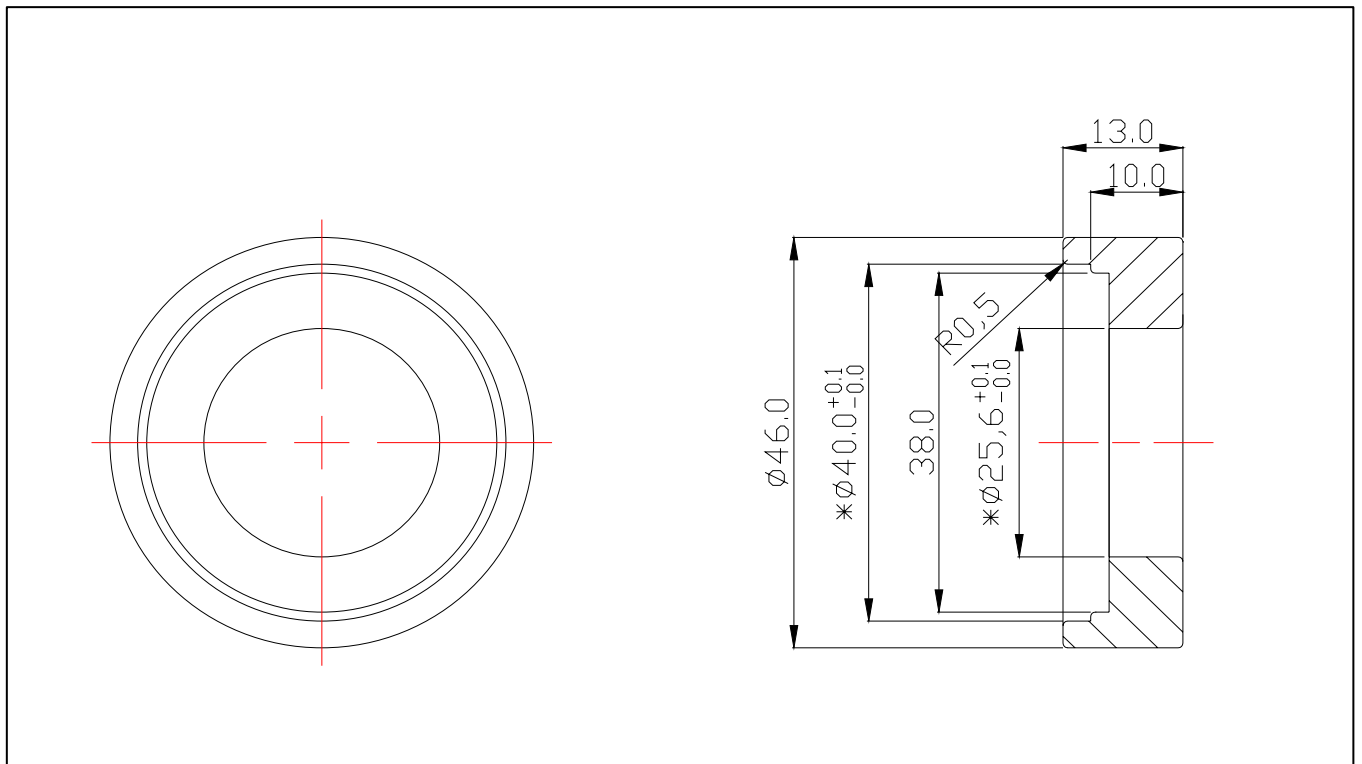
4.1 Measurement Diagram

Electroacoustic
Testing Adapter

ARTIFICIAL EAR
Model-142ea-s



4.2 Standard Baffle





SPECIFICATIONS

MODEL NO
OBO-40008F-2502

PART NAME
DYNAMIC SPEAKER

SHEET
5 OF 6

5. Frequency

Firm: Model:40008F-2502 Lot:0.01 03-13-2013Time:04:02
1000Hz sens.=110.2dB SPL/0.089V PAIR F.R.:PASS (1KHz Normalize)
Arti. Ear : IEC-318 (142EA-S)
Start Freq.= 100Hz Stop Freq.=10000Hz Speed=1/24 Oct.



Mfg.: Measured using Sunlight 170/160; Fax:886-2-22230727

6. Package

