

OBO PRO.2 INC.

文件發行章

啓弘股份有限公司

No. 224-9, LANE 105, YUNG-FENG ROAD, PA-TE CITY, TAOYUAN, TAIWAN, R.O.C.

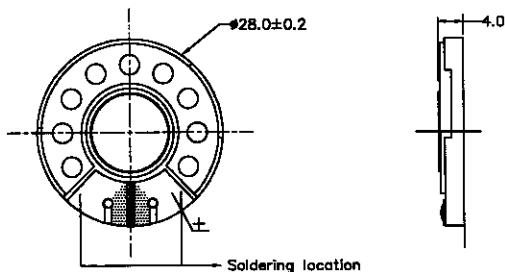
TEL: 886-3-361-4436 FAX: 886-3-361-4437

E-MAIL: obo@obopro2.com.tw Website: www.obo.com.tw

## SPECIFICATION

Model No.	OBO-28016G-01
Dimension	Outline Dimension Shall Be As Shown In Fig.1
	Height Refer To Drawing. Weight about 2.9 Grams.
Magnet	Materials Rare Earth Size: $\phi 9.5 \times 1.5$ mm.
Nominal Impedance	16 Ohm $\pm 15\%$ At 1000 Hz / 1.0V
Power Rating	Normal 100 mW. Maximum 200 mW.
Lowest Resonant Frequency	550 $\pm 150$ Hz.
Output Sound Pressure Level (S.P.L)	76 $\pm 3$ dB/0.1Watt. 0.5Meter (Secundum IEC-268-5 statute.)
Frequency Range	Average At 1000, 1200, 1500, 2000 Hz.
Distortion	380 ~ 6,500 Hz. Average SPL-10 dB.
Abnormal Sound Test	5% Maximum At 1000Hz. 100mW.
Polarity	Must be Normal Tested by 1.26 Volts. Sine Wave. Diaphragm shall move Forward when Apply a Positive DC Current to the "+" or "Marked" Terminal.
Operating Temperature	-20°C ~ +50°C
Storage Temperature	-25°C ~ +55°C

Fig.1

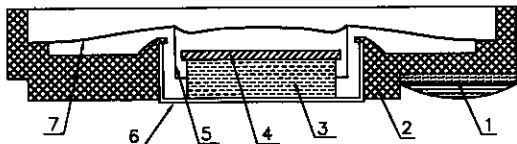
Unit: mm Tolerance:  $\pm 0.3$ 

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Fig.2 Environmental Test

Humidity Test	High 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						
Vibration Test	Duration	:	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 5Minutes							
Load Test	White Noise With Weighted Filter 1.26 Volts.(RSM) 100Hrs. 20~20,000Hz Resonant Frequency.								
Drop Test	75cm Free Falling On Concrete Floor, with 10 times.								

Fig.3 Speaker Construction



NO	PART NAME	MATERIAL	QTY
8			
7	DIAPHRAGM	MYLAR	1
6	YOKE	SPCC	1
5	VOICE COIL	DIA 10.2mm	1
4	WASHER	SPCC	1
3	MAGNET	Nd-Fe-B	1
2	Plastics Case	ABS	1
1	TERMINAL	P.C.B	1
NO	PART NAME	MATERIAL	QTY

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