

OBO Pro.2	SPECIFICATIONS	MODEL NO. OBO-14240PB
	PART NAME Piezoelectric Buzzer	SHEET 1 OF 5

ALTERNATION HISTORY

Marking	Date	ECN NO.	REV.	Description	Page	PREPARE BY	APPROVE BY
※1	JUN,20'06	0606013	D	Conformity RoHS Directive (2002/95/EC) Requests.	5	馮仁如	陳達合

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
D	JUN,20,2006	LULU	陳達合	陳達合

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	PART NAME Piezoelectric Buzzer	SHEET 2 OF 5

MODEL NO : OBO-14240PB

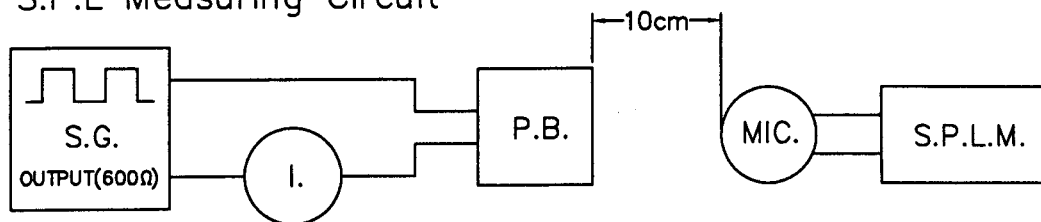
Features : External drive & lead pin type ※1
Conformity RoHS Directive (2002/95/EC) Requests.

1. General Specifications :

Items	Spec.
Sound Pressure Level	80dB min. at 4.0KHz/9.0Vp-p Square wave/10cm
	70dB min. at 4.0KHz/1Vrms Sine Wave/10cm
Capacitance	10,000pF ± 30% at 120Hz
Current Consumption	3mA max. at 4.0Hz/9Vp-p Square Wave
Allowable Input Voltage	15Vp-p max.
Case Material	PBT (UL 94V0)
Operating Temp. Range	-20°C to +70°C
Storage Temp. Range	-40°C to +85°C
Weight	1.2 gms
Frequency Response	Fig.1

2. Measuring Method ※1

2.1 S.P.L Measuring Circuit



- S.G. :GAG-808G Audio Ggenerator or Equivalent
- S.P.L.M. :Sound Pressure Level Meter IEC651 TYPE2
- I. :GDM-8145 Multimeter or Equivalent
- P.B. :Piezoelectric Buzzer

Note:please pay attention never to be applied DC voltageto piezo sounder.

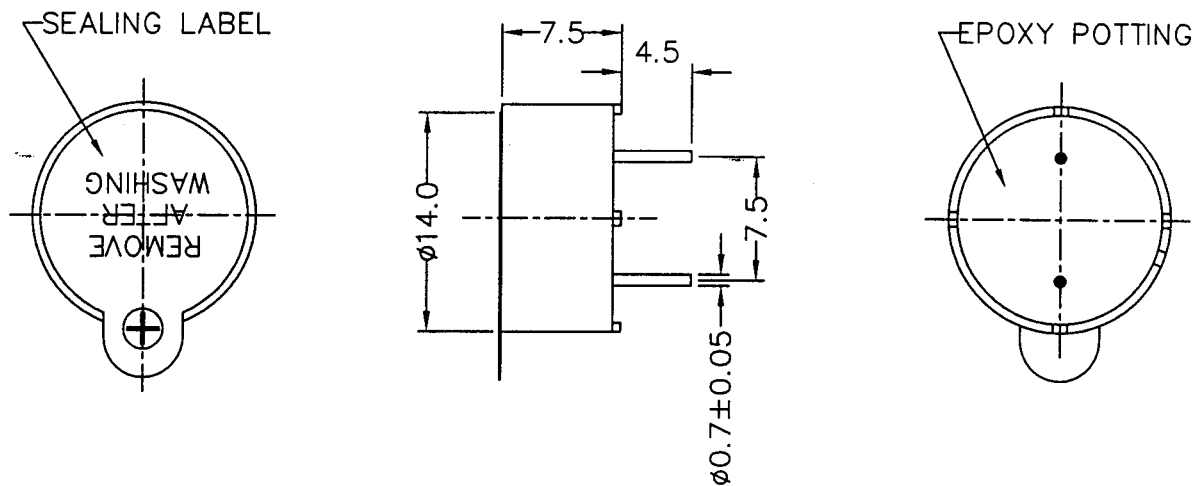
2.2 Measuring condition

Part shall be measured under a condition(Temperature: +5 to +35°C,
 Humidity: 45% to 85%R.H.) unless the standard condition
 (Temperature: +25±3°C, Humidity: 60±10%R.H.) is regulated to measure.

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3. Mechanical Layout and Dimensions

Unit : mm Tolerance : ± 0.5



4. Soldering Condition : ※1

4.1 Wave Soldering

Peak temperature	Dipping time	Soldering
+ 260°C	5 seconds	1 time

4.2 Hand Soldering

Iron Tip Temperature	Soldering time
+ 380°C Max.	Duration 3 seconds Max.

5. Environment-related substances to be controlled. ※1

◎ Piezoelectric Ceramic Disc.

RoHs Annex.

Application of lead, mercury, cadmium and hexavalent chromium, which are exempted from the requirement of article 4(1).

* Lead in electronic ceramic parts.(e.g. piezoelectronic devices).

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6. Packing

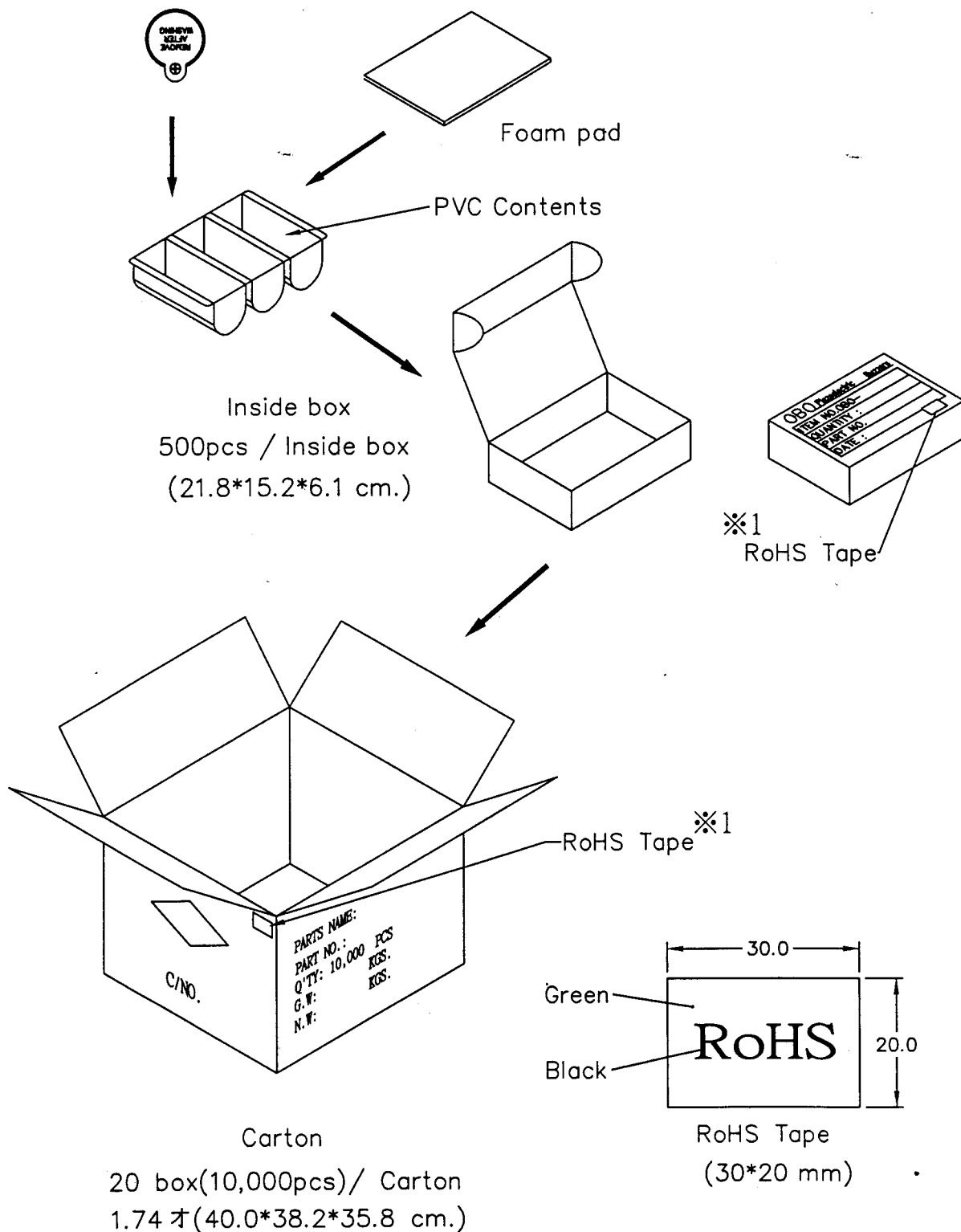
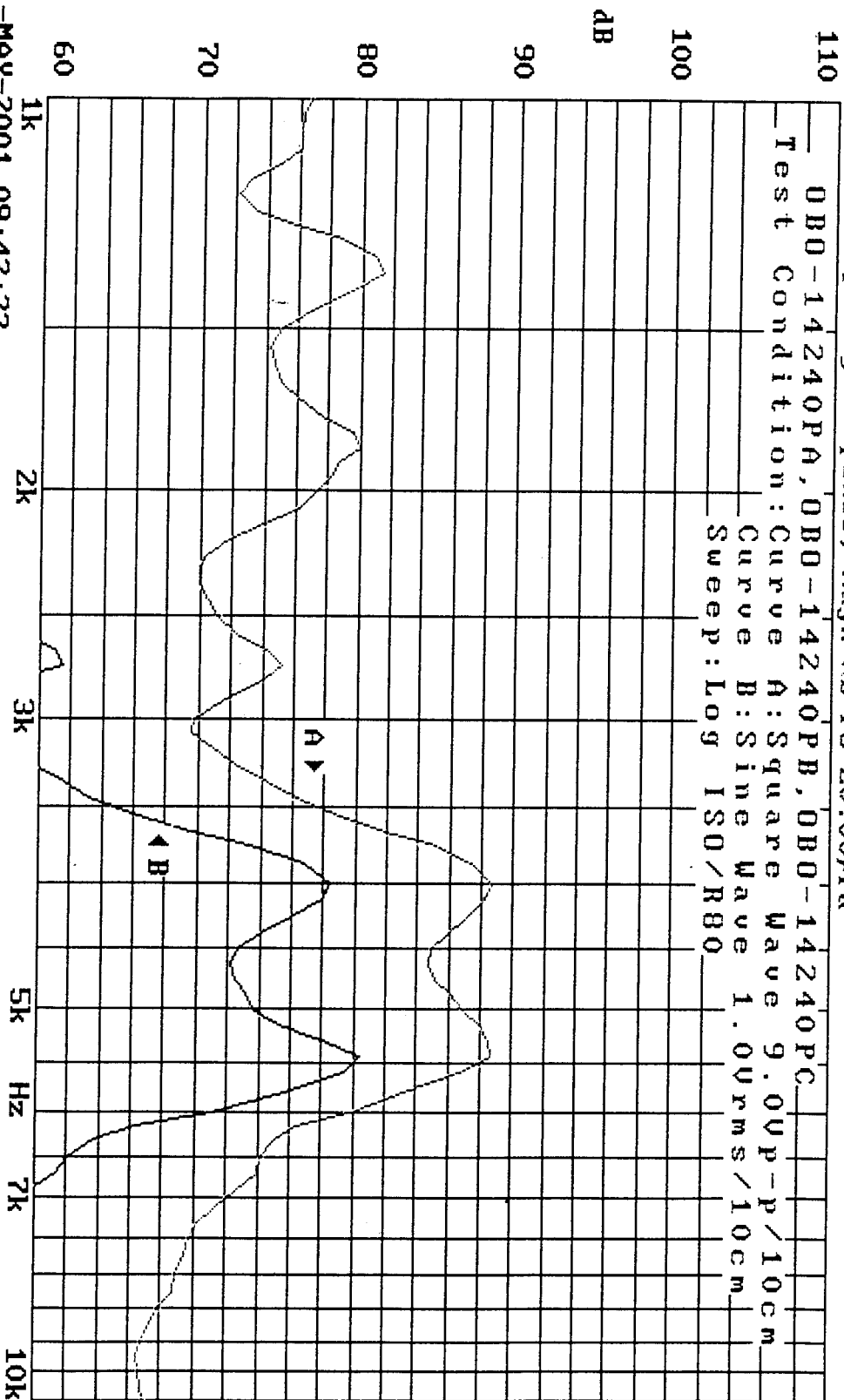


Fig. 1 Frequency Response, Magn dB re 20.00µPa



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Mode: MICMEAS

