

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
C	JAN.15,2006	馮仁如	蕭可致	蕭可致

	SPECIFICATIONS	MODEL NO OBO-13240PA
	PART NAME Piezoelectric Buzzer	SHEET 2 OF 6

MODEL NO : OBO-13240PA

Features : External drive & Lead Pin Type

Wave Solder And Wash Not Allowed

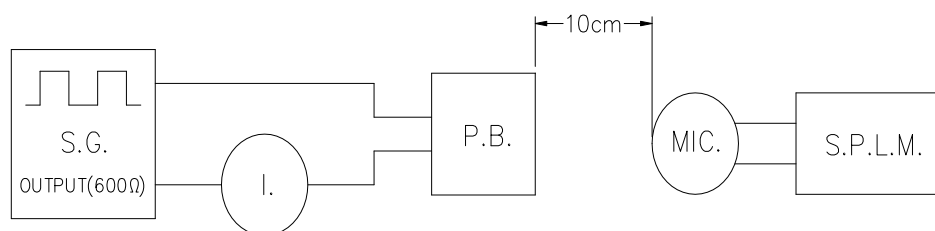
※1 Conformity RoHS Directive(2002/95/EC) Requests.

1. General Specifications:

Items	Spec.
Sound Pressure Level	80dB min. at 4.0KHz/9Vp-p Square wave/10cm
	70dB min. at 4.0KHz/1Vrms Sine wave/10cm
Capacitance	7500pF± 30% at 120Hz
Current Consumption	3mA max. at 4.0KHz/9Vp-p Square Wave
Allowable Input Voltage	15Vp-p max.
Housing Material	PBT(UL 94V-0)
Lead Pin Material	Phosphor Bronze
Operating Temp. Range	-20℃ to +70℃
Storage Temp. Range	-40℃ to +85℃
Weight	0.7 gms
Shape & Dimensions	As Per Fig .1
Frequency Response	As Per Fig .2

2. Measuring Method:

2.1 S.P.L Measuring Circuit



S.G. : GAG-808G Audio Generator or Equivalent

S.P.L.M. : Sound Pressure Level Meter IEC651 TYPE2

I. : GDM-8145 MultiMate or Equivalent

P.B. : Piezoelectric Buzzer

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

2.2 Measuring condition

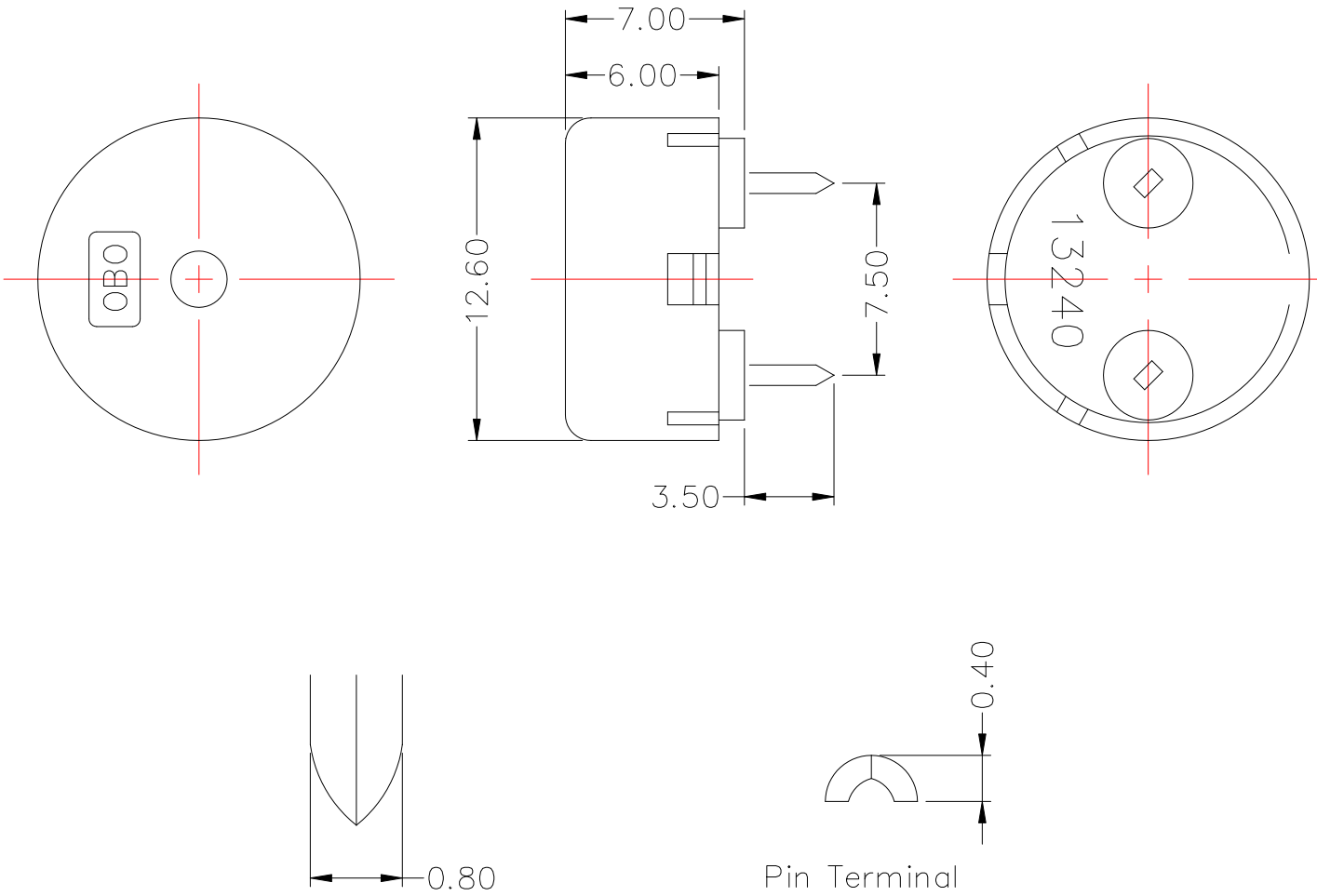
Part shall be measured under a condition(Temperature: +15℃ to +35℃, Humidity: 45% to 85%R.H.)

unless the standard condition (Temperature: +25±3℃, Humidity: 60~70%R.H.) is regulated to measure.

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3. Mechanical Layout and Dimensions:

3.1 Dimensions Tolerance: ±0.5mm Unit: mm



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4.Soldering Condition: ※1

4.1 Wave Soldering

Peak temperature	Dipping time	Soldering
+260℃	5 seconds	1 time

4.2 Hand Soldering

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

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

◎ Piezoelectric Ceramic Disc.

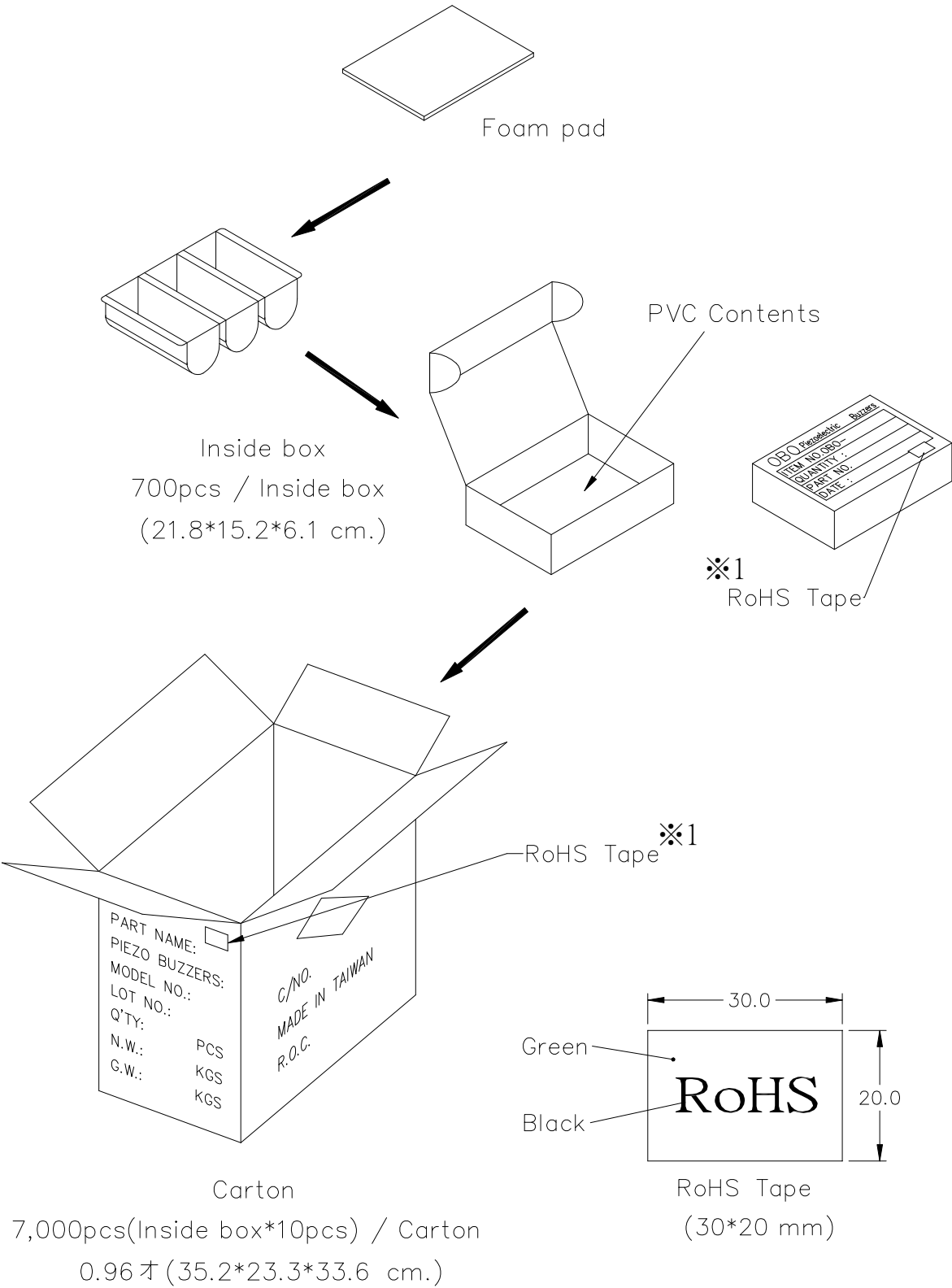
RoHs Annex.G

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 Information :



7. Frequency Response

