

OBO® Pro.2®	SPECIFICATIONS	MODEL NO. OBO-22240PB
	PART NAME Piezoelectric Buzzer	SHEET 2 OF 6

MODEL NO : OBO-22240PB

Features : External Drive & Lead Pin Type.

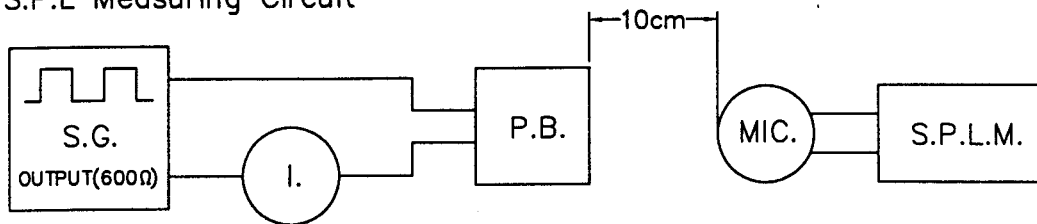
Conformity RoHS Directive (2002/95/EC) Requests. ※1

1.General Specifications :

Items	Spec.
Sound Pressure Level	90dB min. at 4.0KHz/12Vp-p Square wave/10cm
	75dB min. at 4.0KHz/1Vrms Sine Wave/10cm
Capacitance	12,000pF ± 30% at 120Hz
Current Consumption	4mA max. at 4.0KHz/12Vp-p Square Wave
Allowable Input Voltage	30Vp-p max.
Case Material	PBT (UL 94V-0)
Lead Pin Material	Phosphor Bronze (Sn Plated)
Operating Temp. Range	-20°C to +70°C
Storage Temp. Range	-40°C to +85°C
Weight	3.2 gms

2. Measuring Method

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 voltage to 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.

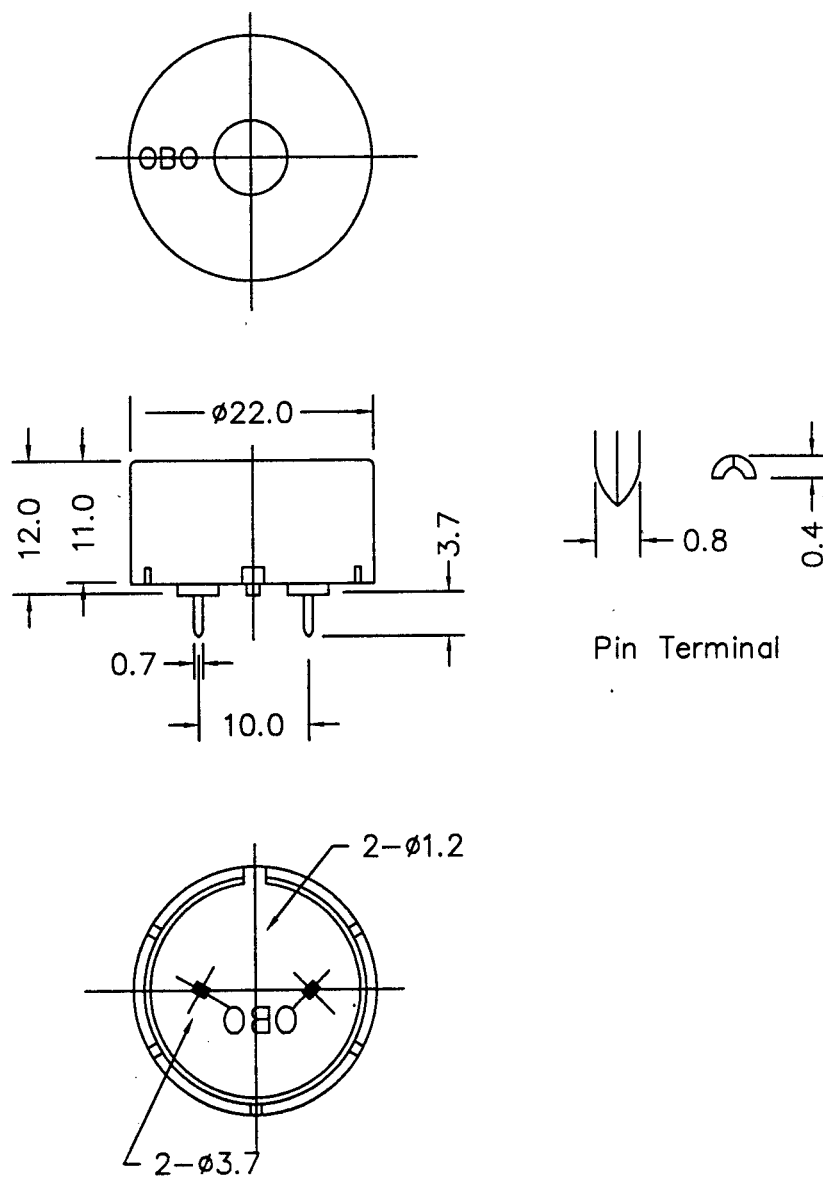
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3. Mechanical Layout and Dimensions :

3.1 Dimensions

Tolerance: ± 0.5 mm

Unit: mm



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3.2 Environment-related substances to be controlled

◎ 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).

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.

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5. Packing Information :

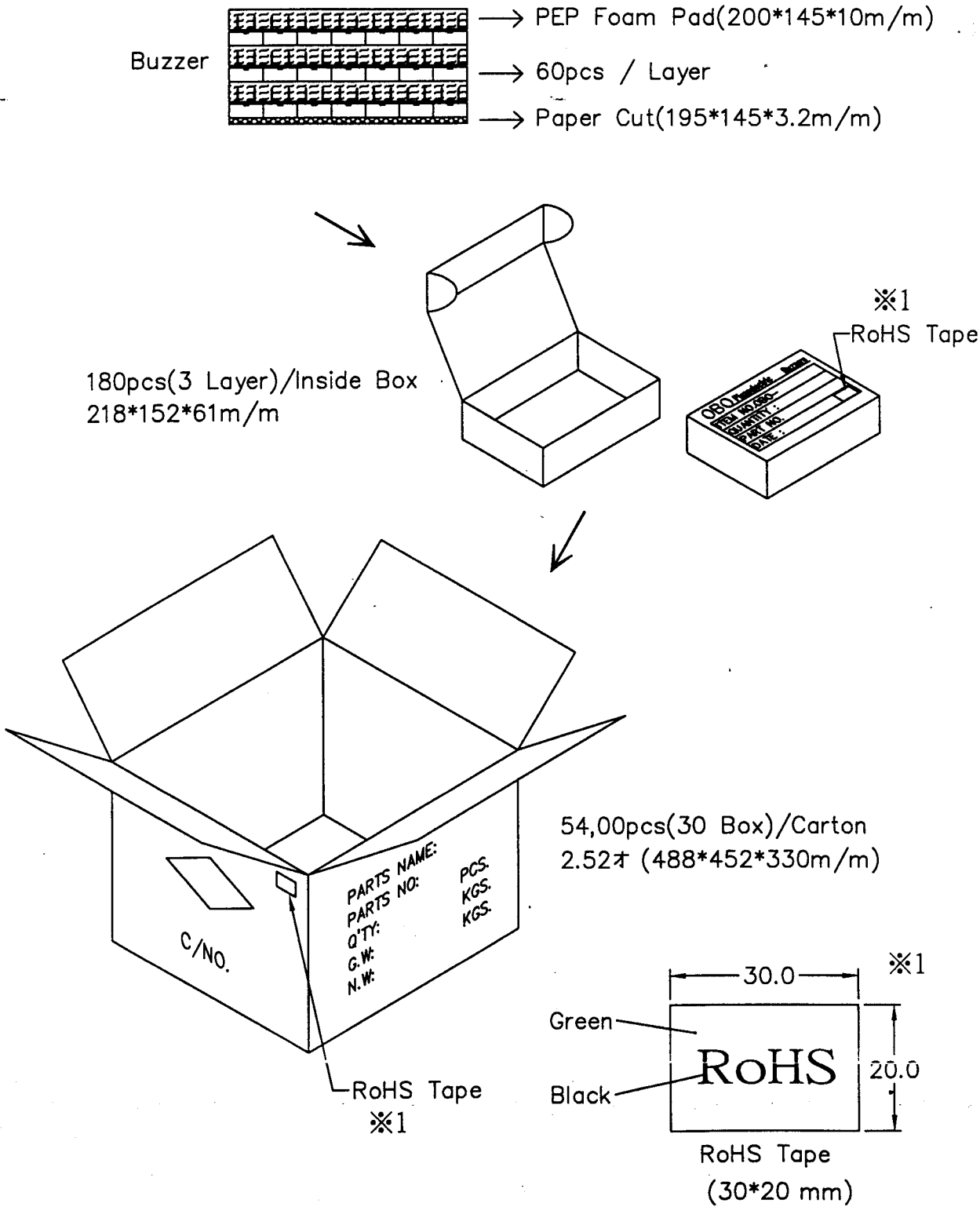
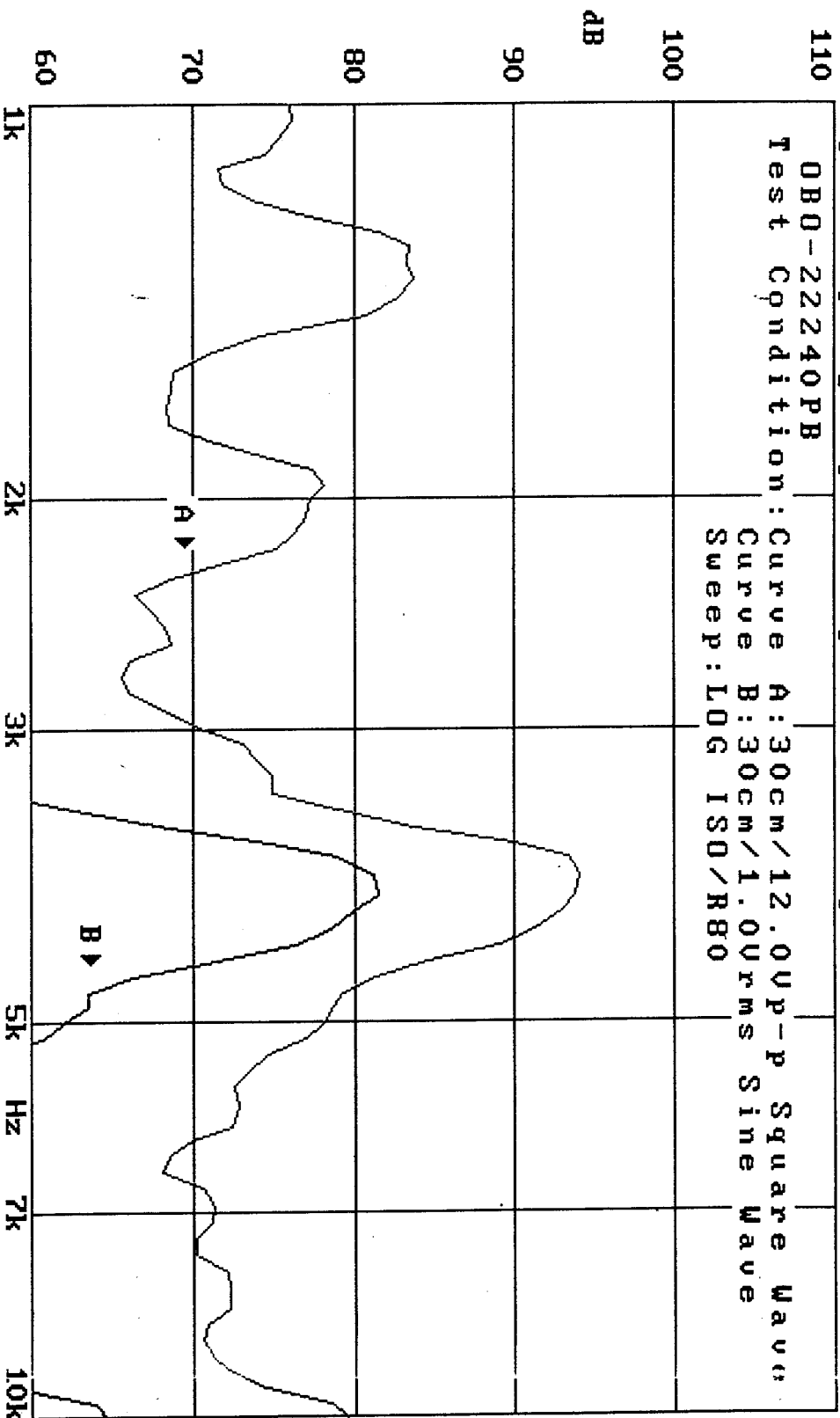


Fig.2: Frequency Response, Magn dB re 20.00ppa



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Mode: SSR

