

OBO Pro.2®	SPECIFICATIONS	MODEL NO. OBO-25220
	PART NAME Piezoelectric Buzzer	SHEET 2 OF 7

MODEL NO : OBO-25220

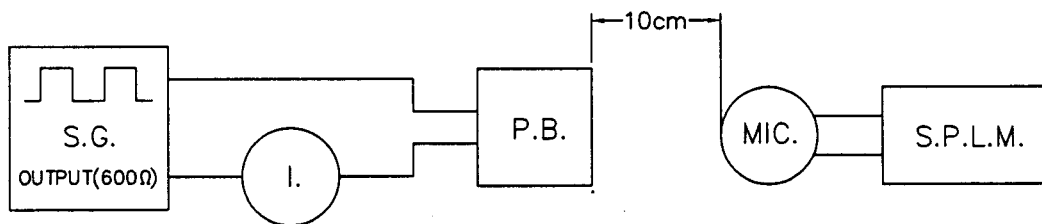
Features : External drive & lead pin type (※2)
Conformity RoHS Directive (2002/95/EC) Requests.

1. General Specifications :

	Items	Spec.
1.1	Sound Pressure Level	80dB min. at 2.0KHz/9Vp-p Square Wave/10cm
		70dB min. at 2.0KHz/1.0Vrms Sine Wave/10cm
1.2	Capacitance	25,000pF ± 30% at 120Hz
1.3	Current Consumption	3mA max. at 2.0KHz/9Vp-p Square Wave
1.4	Allowable Input Voltage	30Vp-p max.
1.5	Case Material (※1)	PBT
1.6	Lead Pin Material	Phosphor Bronze
1.7	Operating Temp. Range	-20°C to +70°C
1.8	Storage Temp. Range	-40°C to +85°C
1.9	Weight	2.1gms

2. Test Method :

2.1 Standard Test Diagram



- 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

OBO Pro.2

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Piezoelectric Buzzer

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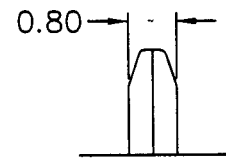
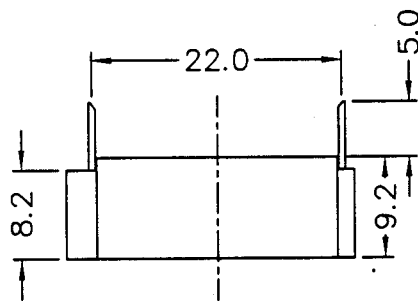
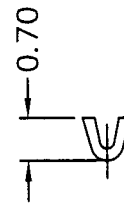
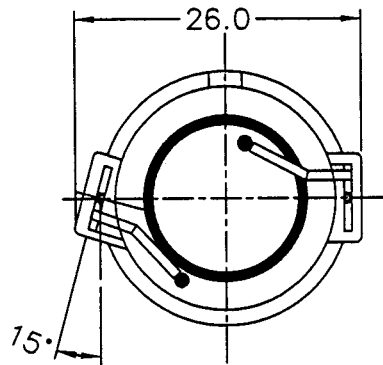
2.2 Standard Test Condition

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.

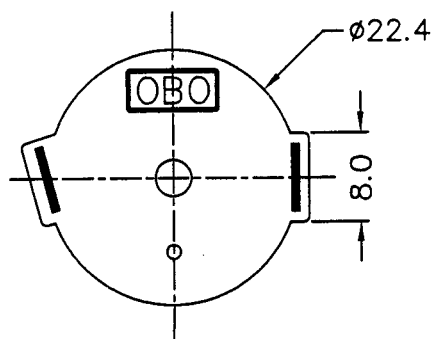
3. Mechanical Layout and Dimensions :

3.1 Dimensions

Tolerance: ±0.5 mm except specified Unit: mm



Pin Terminal



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3.2 Material List (※2)

We Hereby Certificate That Our Product Meet With ROHS
Request And The Details As Below.

No.	Part Name	Material	Hazardous Substances Limit (ppm)						Q'TY
			Pb	Cd	Hg	Cr+6	PBBs	PBDE	
1	Piezoelectric Diaphragm	ceramics & Brass	----	----	----	----	----	----	1
2	Plastics Case	PBT	< 100	< 5	< 5	< 100	< 5	< 5	1
3	Pin	Brass	< 40000	< 75	< 5	< 1000	----	----	2

Note : (1) ppm = mg/kg (2) "----" = Not Applicable.

3.3 Environment-related substances to be controlled (※2)

3.3.1 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).

3.3.2 Brass Plate.

RoHs Annex :

Lead in an alloying element in steel containing up to 0.35% lead by weight, aluminium containing up to 0.4% lead by weight and as a copper alloy containing up to 4.0% lead by weight.

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4. Soldering Condition : (※2)

4.1 Wave Soldering

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

4.2 Hand Soldering

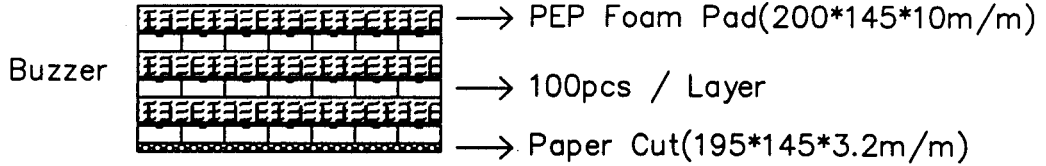
Iron Tip Temperature	Soldering time
+ 350°C , Duration	3 seconds Max.

4.3 Heat Resistance

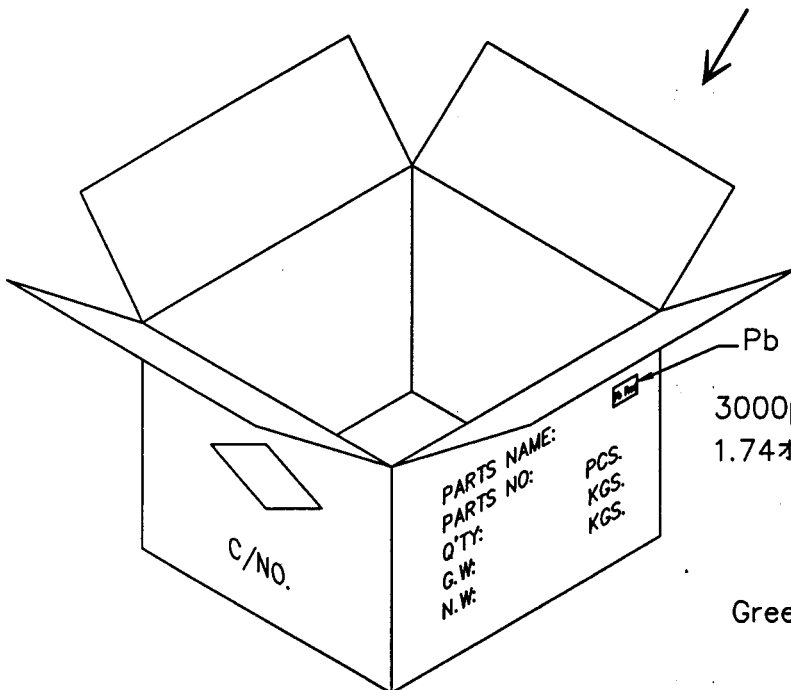
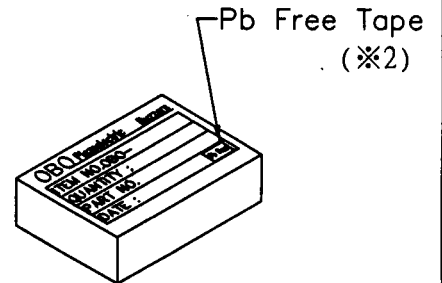
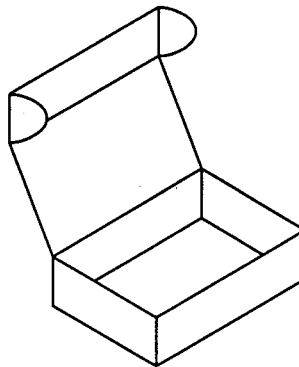
Heat Resistance	Soldering time
+ 380°C , Duration	3 seconds Max.

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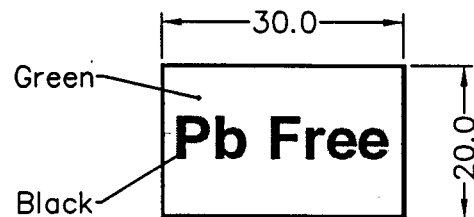
5. Packing Information :



150pcs(3 Layer)/Inside Box
218*152*61m/m



Pb Free Tape (※2)
3000pcs(20 Box)/Carton
1.74才 (400*382*330m/m)



Pb Free Tape (※2)
(30*20 mm)

