OBO Pro.2	SPECIFICATIONS	MODEL NO OBO-20C3
	PART NAME Piezoelectric Buzzer	SHEET 1 OF 5

ALTERNATION HISTORY

Marking	Date	ECN NO.	REV.	Description	Page	PREPARE BY	APPROVE BY
- -	JUN.07,2002	---	E	- - -	4	林玉璇	唐瑞政
※1	AUG.05,2005	DG0508001	F	Modify Carton	5	Hms	徐俊达

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
H	MAR.30,2007			

MODEL NO : OBO-20C3

Features: Built-in Circuit

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

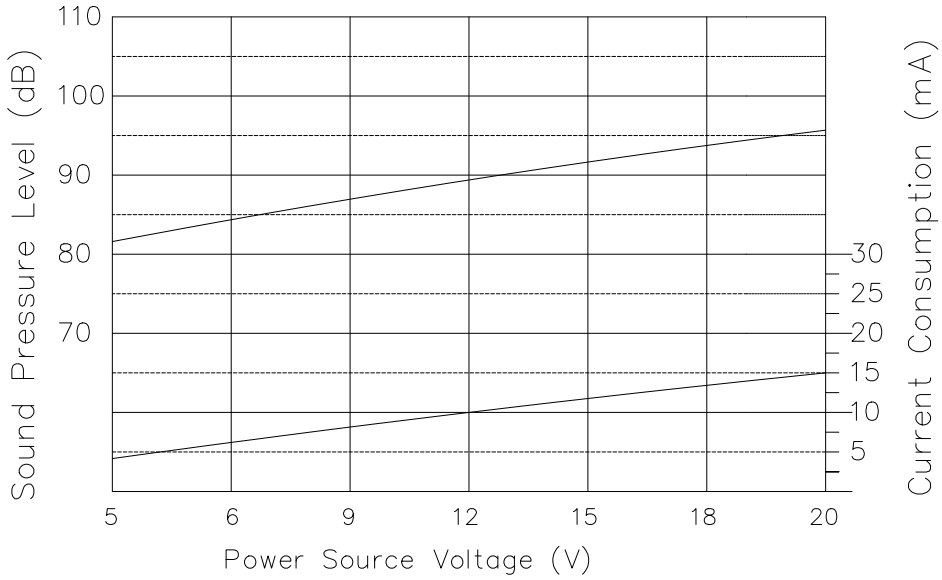
1. General Specifications:

	Items	Spec.
1.1	Sound Pressure Level	83dB min./30cm/DC9V
1.2	Oscillating Frequency	3.8±0.5KHz
1.3	Current Consumption	8mA max./DC9V
1.4	Tone	Continuons Tone
1.5	Operating Voltage	DC 3 to 30V
1.6	Case Material	PC(UL 94V-2)
1.7	Operating Temp. Range	-20℃ to +70℃
1.8	Storage Temp. Range	-40℃to +85℃
1.9	Weight	3.6gram
1.10	Voltage vs Sound Pressure vs Current Consumption Curve	As Per Fig.1

Fig.1:

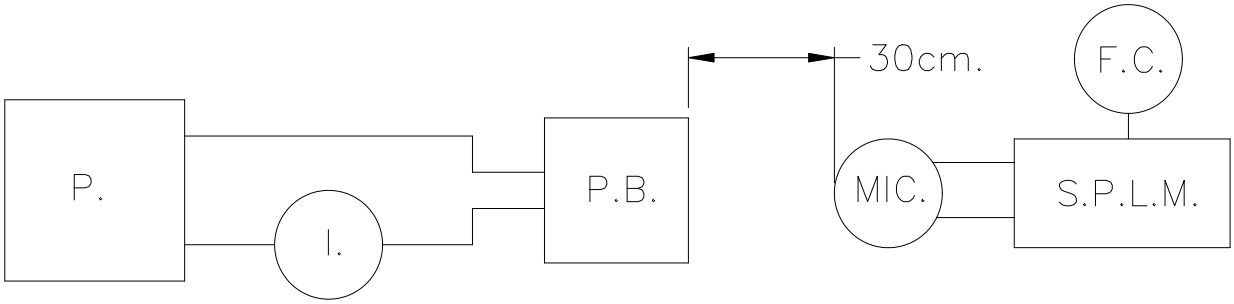
Measurement distance : 30cm. / Current consumption by GDM-8145

Sound level meter by IEC651 TYPE2 / DC power supply by GPC-3030D



2. Test Method :

2.1 Standard Test Diagram



P.: DC Power Supply GPC-3030D or Equivalent
S.P.L.M.: Sound Pressure Level Meter IEC651 TYPE2
I.: Multimeter GDM-8145 or Equivalent
F.C.: Function Generator GFG-8016G or Equivalent
P.B.: Piezoelectric Buzzer

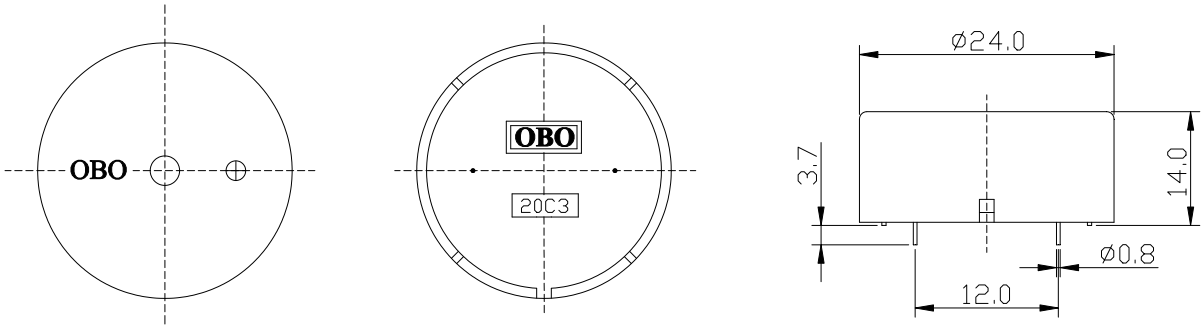
2.2 Standard Test Condition

Part shall be measured under a condition
(Temperature: +5℃ to +35℃, Humidity: 45% to 85%R.H.)
unless the standard condition (Temperature: +25±2℃,
Humidity: 60±10%R.H.) is regulated to measure.

3. Mechanical Layout and Dimensions:

3.1 Dimendions

Tolerance: ±0.5mm Unit: mm



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).

◎Ni-Alloy 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.

4、Soldering Condition :

4.1 Wave Soldering

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

4.2 Hand Soldering

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

5、Packing Information :