OBO Pro.2	SPECIFICATIONS	MODEL NO OBO-11241SB
	PART NAME Piezoelectric Buzzer	SHEET 1 OF 4

ALTERNATION HISTORY							
Marking	Date	ECN NO.	REV.	Description	Page	PREPARE BY	APPROVE BY
--	JUN.14,2011	---	A	New Document	4	李小蓮	謝明福
※1	AUG.08,2011	---	B	Increase dimension offset tolerance	4	李小莲	謝明福

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
B	AUG.08,2011	李小蓮	王志偉	謝明福

MODEL NO : OBO-11241SB

Features : External drive.

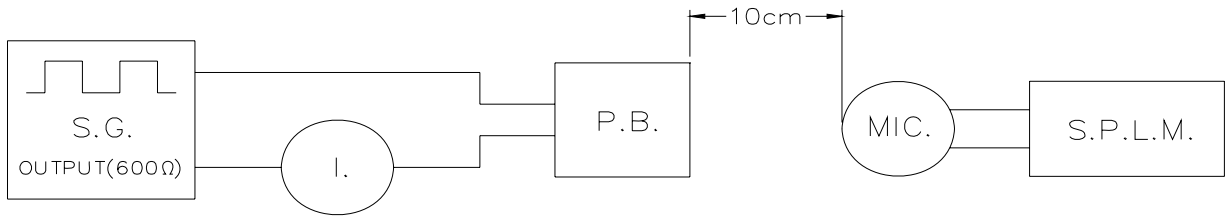
Conformity RoHS Directive(2002/95/EC) Requests.

1. General Specifications:

	Items	Spec.
1.1	Sound Pressure Level	70dB Min. at 4.1KHz/5.0Vp-p Square Wave/10cm.
1.2	Capacitance	12,000pF±30% at 120Hz
1.3	Current Consumption	3mA Max. at 4.1KHz/5.0Vp-p Square Wave
1.4	Allowable Input Voltage	20Vp-p Max.
1.5	Case Material	LCP(Black)
1.6	Lead Pin Material	Tin Plated Brass(Sn)
1.7	Operating Temp. Range	-25℃ to +85℃
1.8	Storage Temp. Range	-40℃ to +85℃
1.9	Weight	0.3 gms

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 voltageto piezo sounder.

2.2 Measuring condition

Part shall be measured under a condition

(Temperature: +5℃ to +35℃, Humidity: 45% to 85%R.H.)

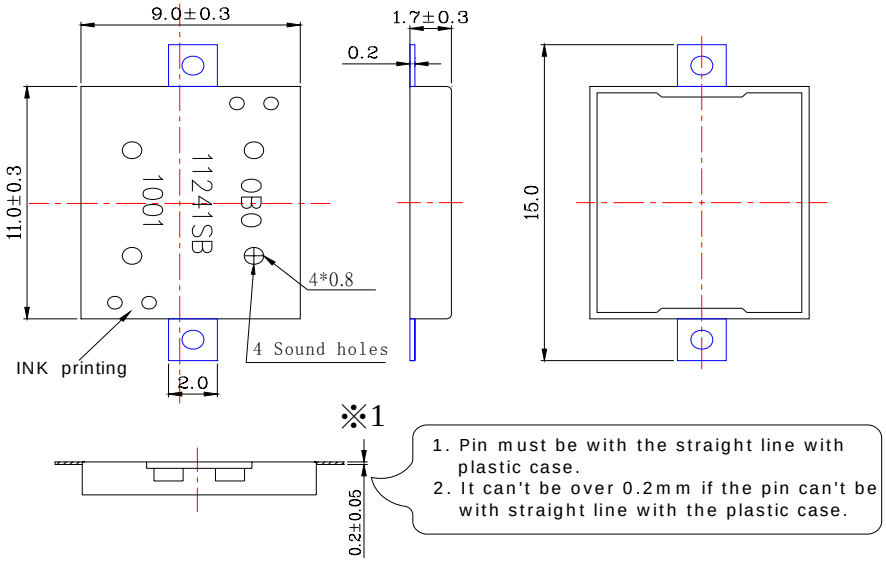
unless the standard condition (Temperature: +25±3℃,

Humidity: 60±10%R.H.) is regulated to measure.

3. Mechanical Layout and Dimensions:

3.1 Dimendions

Tolerance: ±0.3mm Unit: mm



3.2. Environment-related substances to be controlled.

◎ Piezoelectric Ceramic Disc.

RoHs Annex:

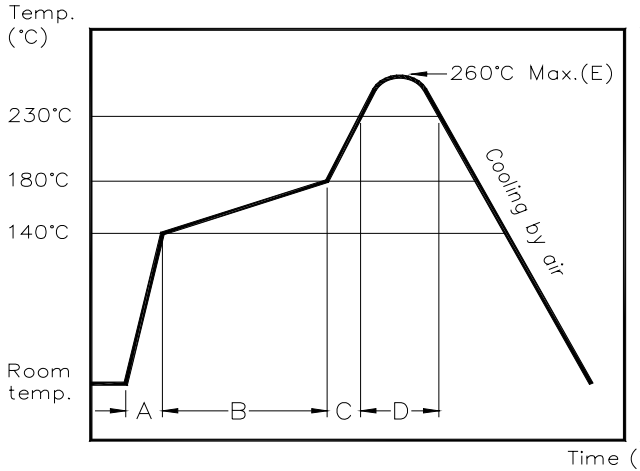
Application of lead, mercury, cadmium and hexavalent chromium, which are exempted from the requirement of article 4(1).

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

4. Soldering Condition :

4.1 Reflow Soldering

Recommendable reflow Soldering condition is fllows.



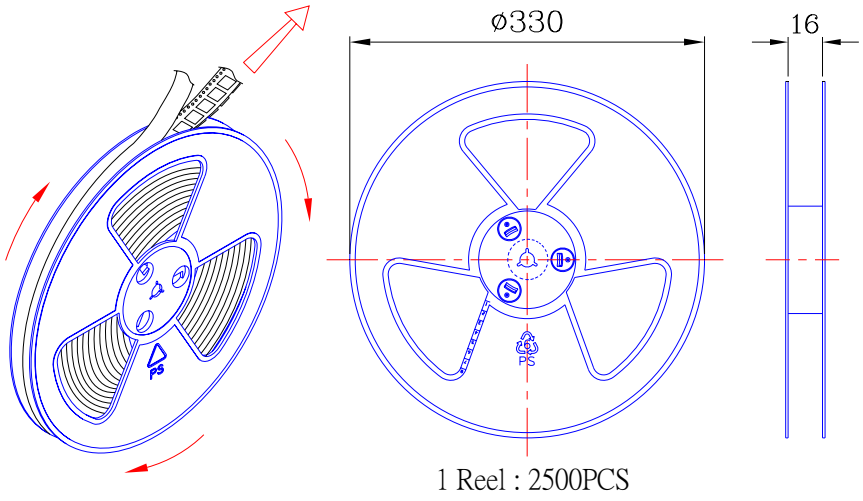
NO.	Items	Condition	Unit
A	Temp. rise gradient	1 ~ 4	°C/sec
B	Heating time	50~150	sec
	Heating temperature	140~180	°C
C	Temp. rise gradient	1 ~ 4	°C/sec
D	Time over 230°C	48 Max.	sec
E	Peak temperature	260°C Max.	°C
	Peak-temp. hold time	Momentary	sec
Soldering		2	times

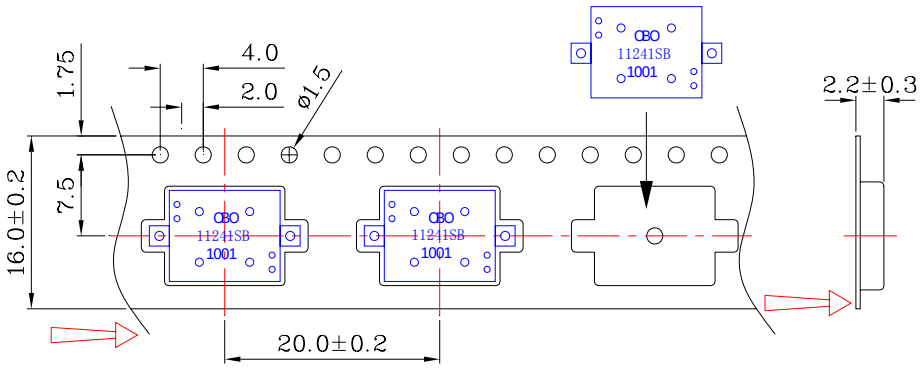
Note: It's requested that second reflows soldering should be executed after heat of product goes down to normal temperture

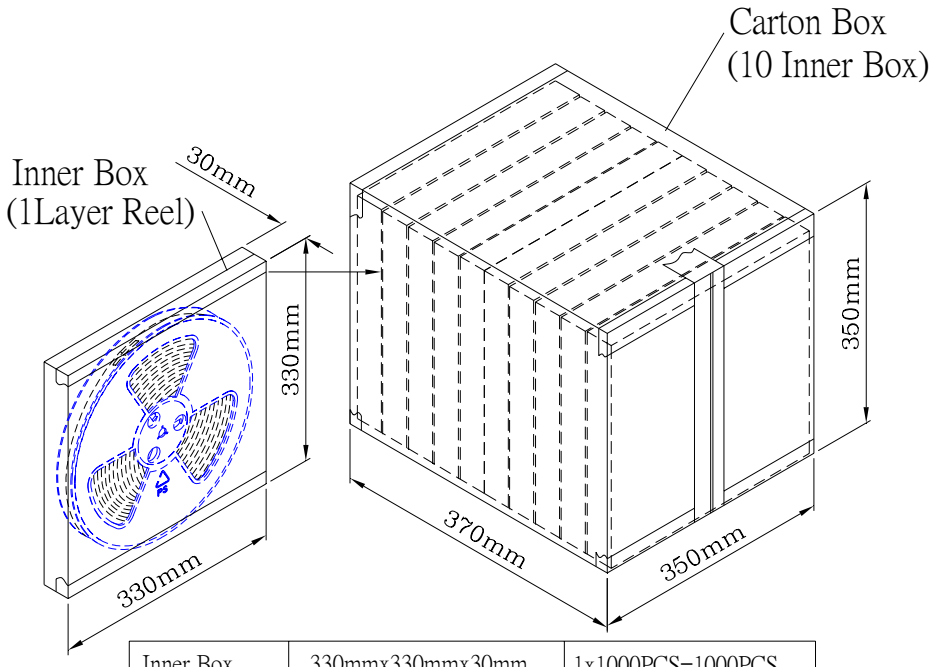
4.2 Hand Soldering

Soldering iron temperature 350℃ less than 5 second.

5. **Packing Information :**







Inner Box	330mmx330mmx30mm	1x1000PCS=1000PCS
Carton Box	350mmx350mmx370mm	10x1000PCS=10,000PCS