

OBO Pro.2	SPECIFICATIONS	MODEL NO. OBO-20235
	PART NAME Piezoelectric Buzzer	SHEET 2 OF 5

MODEL NO : OBO-20235

Features : External Drive & Lead Wire Type

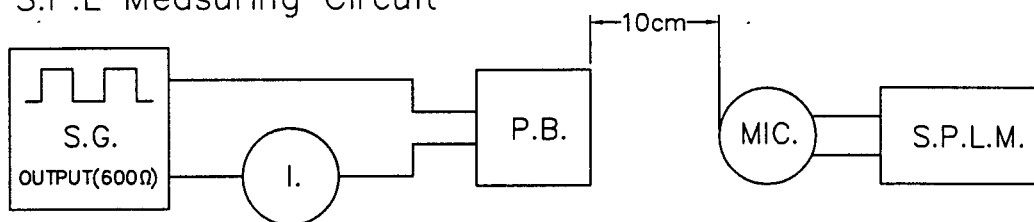
Conformity RoHS Directive (2002/95/EC) Requests.※1

1. General Specifications :

Items	Specification
Sound Pressure Level	85dB Min. at 4.0KHz/9Vp-p Square Wave/10cm
	75dB Min. at 4.0KHz/1Vrms Sine Wave/10cm
Capacitance	25,000pF $\pm$ 30% at 120Hz
Current Consumption	4mA max. at 4.0KHz/9Vp-p Square Wave
Allowable Input Voltage	30Vp-p max.
Case Material	ABS (UL 94HB)
Operating Temp. Range	-20°C to +60°C
Storage Temp. Range	-30°C to +70°C
Weight	2.0 gms
Frequency Response	As Per Fig.1

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※1

Part shall be measured under a condition(Temperature: +5 to +35°C,

Humidity: 45% to 85%R.H.) unless the standard condition

(Temperature: +25 $\pm$ 3°C, Humidity: 60 $\pm$ 10%R.H.) is regulated to measure.

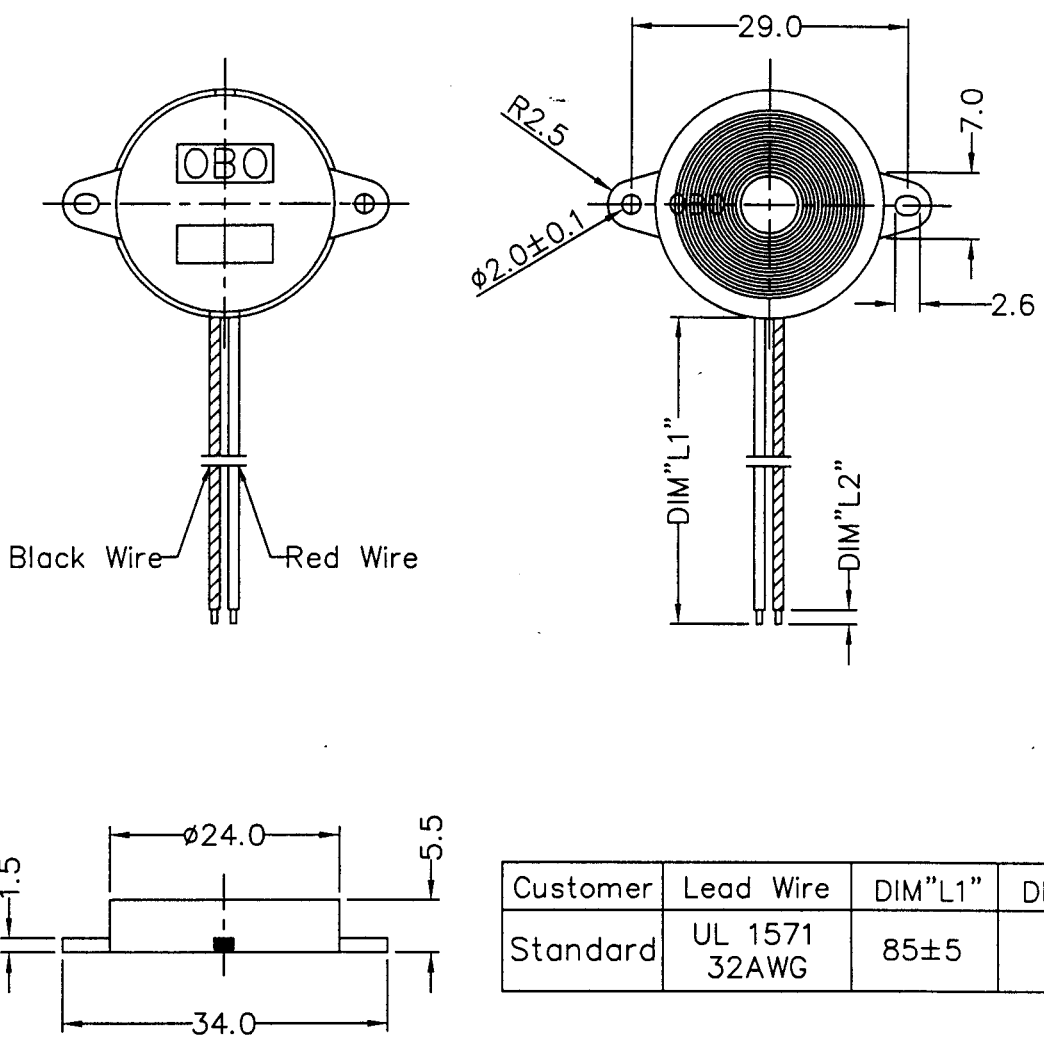
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3. Mechanical Layout and Dimensions

3.1 Dimensions

Tolerance: ± 0.5 mm

Unit: mm



Customer	Lead Wire	DIM "L1"	DIM "L2"
Standard	UL 1571 32AWG	85 $\pm$ 5	3 $\pm$ 1

3.2 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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4. Soldering Condition :

4.1 Hand Soldering

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

5. Packing :

