# Waterproof Piezoelectric Speaker



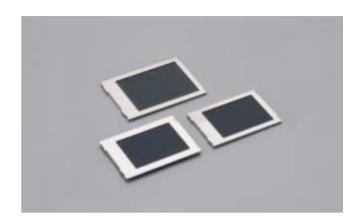
## **VSLBG Series**

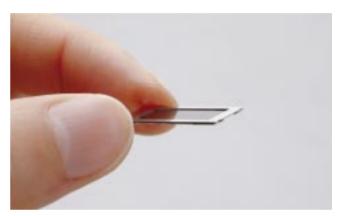
#### ■ Features

- · Available for waterproof (IPX7)
- · High Quality Sound & High Sound Pressure Level
- · Ultra thin styling. (Thickness=0.9mm) Side ventilation housing enables ultimate thickness reduction.
- · Save battery power.
- · No magnet-free from iron sand inhalation problem.
- · No electromagnetic noise.

## ■ Applications

Hand Held Phone / PDA / Solid State Audio / IC Recorder / DSC etc.





## ■ Standard Specifications

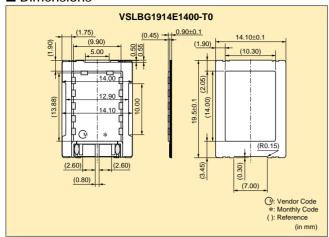
Item	Specifications
	VSLBG1914E1400-T0
Rated Frequency Range	200Hz to 20kHz
Sound Pressure Level	92.0dB±3.0dB
Resonant Frequency	1400Hz±20%
Capacitance	0.9μF±30%
Maximum Sinusoidal Voltage	5.0Vrms
Operating Temperature Range	-20 to +70°C
Storage Temperature Range	-30 to +85°C

Measurement Condition of Sound Pressure Level: Input Signal=5.0Vrms, Sine Wave, at 100mm, Average at 1.5k, 2.0k, 2.5k, 3.0kHz Measurement Condition of Capacitance: 0.1Vrms, at 120Hz

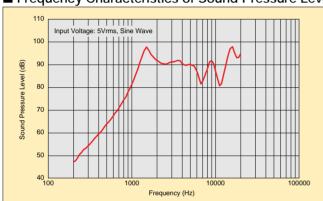
Maximum sinusoidal signal voltage continuously - for 240 hours - applicable to the speaker.



### **■** Dimensions



## ■ Frequency Characteristics of Sound Pressure Level



Measurement Condition of Sound Pressure Level: Input Signal: 5.0Vrms, Sine Wave, at 100mm Back Cavity: 0.7cc



sales representatives or product engineers before ordering.

• This PDF catalog has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

## for EU RoHS Compliant

- · All the products in this catalog comply with EU RoHS.
- · EU RoHS is "the European Directive 2002/95/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment".
- · For more details, please refer to our website 'Murata's Approach for EU RoHS' (http://www.murata.com/info/rohs.html).

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- 2 Aerospace equipment
- ③ Undersea equipment
- 4 Power plant equipment
- (5) Medical equipment
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- (7) Traffic signal equipment
- (8) Disaster prevention / crime prevention equipment
- Data-processing equipment
- (1) Application of similar complexity and/or reliability requirements to the applications listed above
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