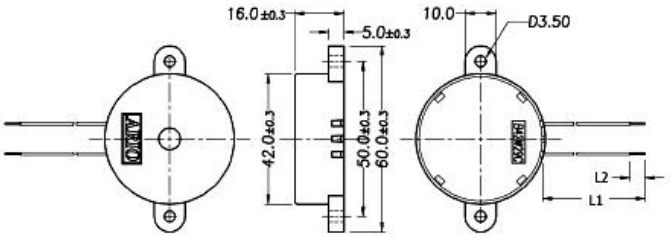
Datasheet

Item no. 1570983

V1_07302018_01_en

Piezo Buzzer (Wire)

Dimensions Unit: mm ± 0.2



Lead Wire: UL 1007 AWG26 L1:125±5mm L2:5±2mm

Fig. 1

Test Circuit

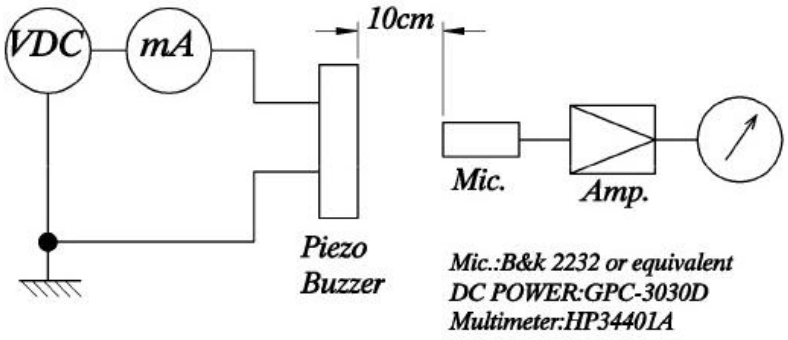


Fig. 2

Operating Temperature:	-20°C to +105°C
Storage Temperature:	-40°C to +105°C
Operating Voltage:	3.0 ~ 30.0 Vdc
Case Material:	PC UL94HB
Sound Pressure Level:	Initial Value ± 10 dB

Physical requirement

Test Item	Test Conditions
Vibration	Buzzer shall be measured after being applied vibration of amplitude of 1.5 mm with 10 to 55 Hz band of vibration frequency to each three mutually perpendicular directions for 2 hours.

Electrical Requirements should be specified at room temperature and humidity.
(Ref. Temperature: 25 ± 3°C, Humidity: 60 ± 10% RH)

Items	Specifications	Test Conditions
Sound Pressure Level	103 dB min. Pulse Tone	Input Voltage: 9.0V DC Distance:10 cm *as per Fig. 2
Oscillating Frequency	2.9 ± 0.5KHz	
Current Consumption	11.0mA max.	at 9.0V DC

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Environmental Characteristics

Test Items	Test Conditions
High Temperature	After being placed in a chamber with +85 ± 2°C for 240 hours and then being placed in natural condition for 4 hours, buzzer shall be measured.
Low Temperature	After being placed in a chamber with -40 ± 2°C for 240 hours and then being placed in natural condition for 4 hours, buzzer shall be measured.
Humidity	After being placed in a chamber with 90 to 95% R.H. at + 40 ± 2°C for 240 hours and then being placed in natural condition for 4 hours, buzzer shall be measured.
Temperature Cycle	After being placed in a chamber at -40 ± 2°C for 30 minutes, buzzer shall be placed at room temperature (+20°C). After 15 minutes at this temperature, buzzer shall be placed in a chamber at +85 ± 2°C. After 30 minutes at this temperature, buzzer shall be returned to room temperature (+20°C) for 15 minutes. After 5 above cycles, buzzer shall measure after being placed in natural condition for hours.

Sound pressure level and current consumption vs DC voltage: