Data Sheet

Piezo buzzer

Drawing:

Dimensions unit: mm ± 0.5

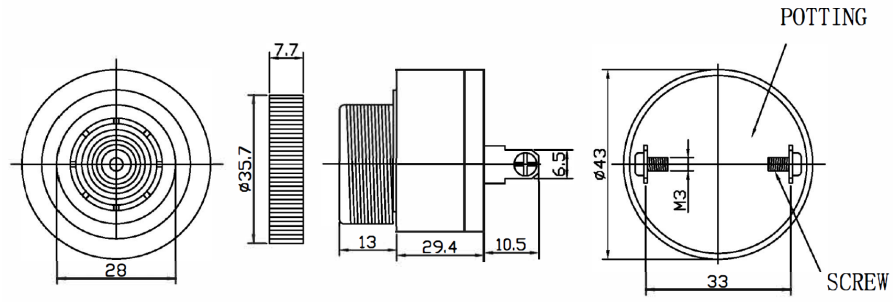

Fig. 1

Test Circuit

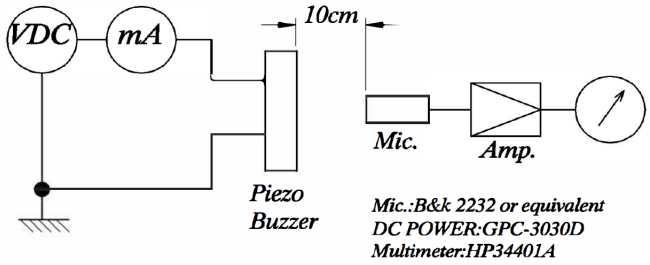

Fig. 2

Technical data

Case material: ABS

Operating voltage: 60 to 250 V DC/ AC

Operating temperature: -20 °C ~ +60 °C

Storage temperature: -30 °C ~ +70 °C

Data Sheet

Electrical Requirements

Items	Specifications	Test Conditions
Sound Pressure Level	91 dB min. Fast pulse	Input voltage: 220 VDC, Distance: 10 cm
Oscillating Frequency	2.8 ± 0.5 KHz	-
Current Consumption	16 mA max.	at 220 VDC

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

Physical Characteristics

Test Item	Test Conditions	Performance Requirements
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.	The measured values shall meet Table 1.

Environmental Characteristics

Test Items	Test Conditions	Performance Requirements
High Temperature (Static test)	After being placed in a chamber with +70 ± 3 °C for 48 hours and then being placed in natural condition for 4 hours without applying power, buzzer shall be measured.	The measured values shall meet Table 1.
Low Temperature (Static test)	After being placed in a chamber with -20 ± 3 °C for 48 hours and then being placed in natural condition for 4 hours without applying power, buzzer shall be measured.	
Humidity (Static test)	After being placed in a chamber with 90 to 95% R.H. at +40 ± 3 °C for 48 hours. Then, being placed in natural condition for 4 hours without applying power, buzzer shall be measured.	
Temperature Cycle (Static test)	Be placed in a chamber at -20 °C (30 min.) → +25 °C (15 min.) → +60 °C (30 min.) → +25 °C (15 min.) x 5 cycles After above test, buzzer shall be measured after being placed in natural condition for 4 hours; without applying power.	

Others

- This specification mentions the quality of the component as a single unit. Please insure the component is thoroughly evaluated in your application circuit.
- Please do not use this component in any application that deviates from its intended use as noted within the specification. It may cause any mishaps.