Active Buzzer 1.5V, 2.3KHz

Product codes:

Reference: AM5933
EAN13: -
UPC: 85013100

Product features:

Voltage: 1.5 V DC
Frequency: 2.3 kHz

Product attributes:

Product description:

The TMB-12A01 active buzzer is a compact sound signaling component for low-voltage DC circuits. Upon applying the supply voltage, it generates an acoustic tone without the need for an external driving signal. It is designed for integration into electronic devices where simple audio indication of status, alerts, or alarms is required.

Technical Specifications

- Type: TMB-12A01
- Design: Active buzzer
- Operating voltage: 1.2–2.5 V DC
- Rated voltage: 1.5 V DC
- Maximum current: 20 mA
- Frequency: 2300 ± 300 Hz
- Sound output: 85 dB at 10 cm distance
- Operating temperature: -20 to 70 °C
- Dimensions: 12 × 9.5 mm

Features and Characteristics

- Active design allows sound generation upon connecting DC power.
- Low-voltage operation is suitable for battery-powered and small electronic circuits.
- Through-hole design is intended for PCB mounting.
- Compact cylindrical housing enables integration into space-

constrained devices.
- Acoustic output operates in the audible frequency range for signaling purposes.

Ideal For

- Sound signaling in electronic devices.
- Status indication in microcontroller circuits.
- Alerts in low-voltage battery applications.
- Simple alarm and signaling modules.
- Development, service, and prototyping circuits.

Package Contents

- 1x TMB-12A01 Active Buzzer

Why Choose This Product

- Active construction does not require an external tone generator.
- Operates in a low DC power range of 1.2–2.5 V DC.
- Provides essential electrical, acoustic, and dimensional parameters for circuit design.
- Through-hole design is suitable for permanent mounting on a printed circuit board.

Installation and Operating Instructions

- Observe the specified supply voltage range during connection.
- Mount the component on a PCB with appropriate pitch and mechanical layout.
- Verify connection polarity and correct wiring before powering on.
- Do not exceed the specified maximum current.

Safety Warnings

- Incorrect wiring, reverse polarity, or exceeding the supply voltage can damage the component.
- Prevent short-circuiting the terminals and mechanical stress on the housing or lead pins.
- Perform mounting and soldering with the power disconnected.
- The component is intended for low-voltage electronic circuits, not for direct connection to mains voltage.

Product gallery: