

Active Buzzer 3V, 2.3kHz

Product codes:

Reference: AM6331

EAN13: -

UPC: 85013100



Product features:

Voltage: 3 V DC

Frequency: 2.3 kHz

Product attributes:

Product description:

The TMB-12A03 active buzzer is an electronic signaling component designed for acoustic alerts in low-voltage DC circuits. Thanks to its built-in tone generator, it requires DC power within the specified range to operate and is suitable for simple sound signaling of statuses, alarms, or confirmations in electronic devices.

Technical Specifications

- Type: TMB-12A03
- Design: Active buzzer
- Operating voltage: 2.5-4V DC
- Rated voltage: 3V DC
- Maximum current: 35 mA
- Frequency: 2300 ± 300 Hz
- Sound output: 85 dB at 10 cm distance
- Operating temperature: -20 to 70 °C
- Dimensions: 12 x 9.5 mm

Features and Characteristics

- Active design with an integrated sound generator.
 - Emits a tone when DC power is applied within the specified range.
 - Compact cylindrical housing suitable for integration into electronic devices.
 - Through-hole design for PCB mounting.
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- Designed for low-voltage DC circuits.

Ideal For

- Acoustic signaling in electronic projects.
- Status indication in control and command circuits.
- Sound alerts in measuring, testing, and development equipment.
- Educational and prototyping applications with low-voltage power supplies.

Package Contents

- 1x TMB-12A03 active buzzer

Why Choose This Product

- Features an active design, so no external tone generator is required for basic sound signaling.
- The specified power range matches low-voltage DC applications.
- Small dimensions make it easy to integrate into compact electronic assemblies.
- Parameters for frequency, current, volume, and operating temperature are specified exactly for the TMB-12A03 model.

Installation and Operating Instructions

- When connecting, observe the pin polarity marked on the component or in the wiring documentation.
- Power only with DC voltage within the specified range.
- Mount the component so that the pins are not subjected to mechanical stress.
- Perform soldering and assembly in accordance with standard practices for handling electronic components.

Safety Warnings

- Do not connect to mains voltage.
- Exceeding the permitted supply voltage or incorrect polarity may damage the component.
- Prevent short circuits of the pins and overheating during soldering.
- Installation into electrical equipment should be performed by a person knowledgeable in wiring electronic components.

Product gallery:



