

3296W Trimmer

Product codes:

Reference: AM8434

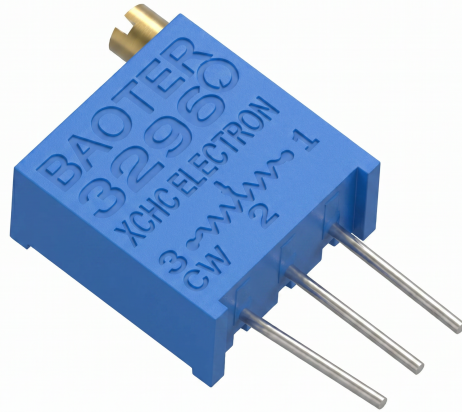
EAN13: -

UPC: 85332900

Product features:

Temperature coefficient: ± 100 ppm/ $^{\circ}\text{C}$

Tolerance: 10%



Product attributes:

Resistance: 101, 100 Ohm, 100R, 201, 200 Ohm, 200R, 501, 500 Ohm, 500R, 102, 1 kOhm, 1K, 202, 2 kOhm, 2K, 502, 5 kOhm, 5K, 103, 10 kOhm, 10K, 203, 20 kOhm, 20K, 503, 50 kOhm, 50K, 104, 100 kOhm, 100K, 204, 200 kOhm, 200K, 504, 500kOhm, 500K, 105, 1 mOhm, 1 m, 205, 2mOhm, 2 m

Product description:

The 3296W trimmer is a multiturn variable resistor designed for fine adjustment of electrical parameters in electronic circuits. The vertical adjustment axis and pin pitch for printed circuit boards (PCBs) allow for use in calibration, setting reference values, and device servicing.

Technical specifications

- Type: 3296W trimmer
- Design: Multiturn variable resistor
- Characteristic: Linear
- Resistance tolerance: $\pm 10\%$
- Power rating: 0.5 W
- Number of turns: 25
- Adjustment angle: $9000^{\circ} \pm 20^{\circ}$
- Axis: Vertical
- Dimensions: $9.53 \times 4.83 \times 10.03$ mm

- Pin pitch: 2.54 mm
- Mounting: PCB through-hole

Features and properties

- Allows fine resistance adjustment using a multiturn mechanism.
- The linear resistance curve is suitable for adjustments in both analog and control circuits.
- The vertical axis allows access to the adjustment screw from the top of the board.
- The three pins correspond to use as a variable resistor or voltage divider, depending on the circuit wiring.
- The availability of multiple resistance values allows choosing a variant according to the required adjustment range.

Ideal for

- Calibration of electronic circuits.
- Setting reference voltage or operating point.
- Service modifications and laboratory prototypes.
- Mounting on printed circuit boards in low-power applications.
- Development, measuring, and control circuits requiring fine resistance adjustment.

Package contents

- 1x 3296W trimmer in the selected resistance variant.

Why choose this product

- The multiturn design allows for more precise adjustment than single-turn trimmers.
- The specified power rating of 0.5 W is suitable for low-power adjustment applications.
- The 2.54 mm pin pitch corresponds to the standard grid used on printed circuit boards.
- Variants with different resistance values cover a wide range of common adjustment needs.
- Vertical adjustment is suitable for boards where access to the trimmer is from above.

Installation and operation instructions

- Before mounting, check the selected resistance value and pin wiring in the specific circuit.
 - Do not overheat the pins and component body during soldering.
 - Perform adjustments using a suitable screwdriver without excessive mechanical force.
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- Do not exceed the specified power rating of the component.

Safety warnings

- The component is intended for use in electronic circuits and requires correct wiring according to the device design.
- Incorrect wiring or exceeding the power rating can lead to overheating, component damage, or circuit failure.
- Installation in devices connected to hazardous voltage may only be performed by a person with appropriate electrical qualifications.
- Before handling the populated board, disconnect the power supply and discharge any energy storage elements in the circuit.

Product gallery:

