

# Multi-turn potentiometer 534-1-1XXX, Vishay Spectrol

## Product codes:

Reference: AM3931

EAN13: -

UPC: 85334090

## Product features:

Tolerance: 5%

Performance: 2 W

Number of pins: 3-pin



## 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

## Product description:

The high-precision industrial potentiometer series 534 from Vishay Spectrol is designed for fine and repeatable resistance adjustment in measuring instruments, automation systems and audio technology. Thanks to its ten-turn design and robust construction, it is ideal for demanding professional applications.

## Technical specifications

- Resistance: 100  $\Omega$  to 100 k $\Omega$  (depending on variant)
  - Resistance tolerance:  $\pm 5\%$
  - Type: wirewound, linear characteristic
  - Number of turns: 10 (3600°)
  - Power load: 2 W at 70 °C
  - Temperature coefficient: approx. 20 ppm/°C
  - Operating temperature: -55°C to +125°C
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- Shaft diameter: 6.35 mm (1/4"), metal, with screwdriver slot
- Shaft length: approx. 20.6 mm
- Body diameter: 22.2 mm
- Mounting hole: 10 mm, with 3/8-32 UNEF-2A thread
- Connection type: solder lug terminals
- Insulation resistance:  $\geq 1000 \text{ M}\Omega$  at 500 VDC
- Dielectric strength:  $\geq 1000 \text{ VAC}$

#### Available resistance variants

Product marking	Nominal resistance
534-1-1101	100 $\Omega$
534-1-1201	200 $\Omega$
534-1-1501	500 $\Omega$
534-1-1102	1 k $\Omega$
534-1-1202	2 k $\Omega$
534-1-1502	5 k $\Omega$
534-1-1103	10 k $\Omega$
534-1-1203	20 k $\Omega$
534-1-1503	50 k $\Omega$
534-1-1104	100 k $\Omega$

#### Functions and features

- Precision multi-turn potentiometer with fine adjustment
- Robust metal shaft and body for long life
- Stable output with low noise thanks to wired technology
- Universal design suitable for panel or device mounting
- Possibility to choose resistance according to the application (multiple variants)

#### Ideal for

- Precision control in industrial automation
- Measuring and calibration instruments
- Analog audio technology (amplifiers, mixing consoles)
- Laboratory and development facilities

#### Package contents

- 1x Vishay 534-1-1XXX potentiometer (depending on the selected resistance variant)
- Mounting nut and washer

#### Why choose this product?

- High precision and smooth control thanks to 10-turn design
  - Durable design suitable even for demanding operations
  - Flexible resistance selection according to application needs
  - Easy installation in instrument panels
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- Long life and reliability from renowned manufacturer Vishay

**Product gallery:**

