

# 1N4001 - Rectifier diode, THT, 50V, 1A, DO41



The 1N4001 rectifier diode is ideal for converting AC to DC, with a maximum reverse voltage of 50V and a forward current of 1A. It is suitable for various applications thanks to its reliable performance and a

**Product number** 1N4001

**Weight** 0.001kg

## Product description

### 1N4001 - Rectifier diode, THT, 50V, 1A, DO41

This rectifier diode is suitable for through-hole mounting (THT) and supports a maximum reverse voltage of 50V with a forward current of 1A. Thanks to its robust design in the DO41 housing and high performance with a maximum forward current of 5.4A, it is ideal for a wide range of applications in electronics.

### Features at a glance

- High reliability: maximum forward current load of 5.4A and pulse current capacity of 30A.
- Energy efficiency: minimum forward voltage of only 1.1V reduces energy losses.

### Technical specifications

- Diode type: Rectifier
- Mounting: THT
- Maximum reverse voltage: 50V
- Forward current: 1A
- Forward current max.: 5.4A
- Semiconductor structure: single diode
- Max. pulse current: 30A
- Housing: DO41
- Forward voltage max.: 1.1V
- Leakage current: 50 $\mu$ A
- Standby time: 1.5 $\mu$ s

### Other data

- Ideally suited for high-frequency applications and energy conversion

### Scope of delivery

- 1x 1N4001 rectifier diode

## Product properties

<b>Zolltarifnummer</b>	85444290
<b>Gross Weight (kg)</b>	0.001
<b>Country of Origin</b>	China
<b>Brand</b>	Frei
<b>Product ID</b>	1N4001
<b>Mounting</b>	THT
<b>Type</b>	Rectifier

## More images

