

## Dual 4-input OR Gate

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	SOIC-14
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HEF4072BT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com). We will contact you in 12 hours.

[RFQ](#)

## General Description

HEF4072BT is a digital integrated circuit (IC) that belongs to the 4000 series of CMOS (Complementary Metal-Oxide-Semiconductor) logic gates. It is a quad 2-input OR gate, meaning it has four independent OR gates, each with two inputs.

### Features

**Quad 2-input OR gates:** HEF4072BT contains four OR gates, each with two input pins.

**CMOS technology:** It is based on CMOS technology, which provides low power consumption, high noise immunity, and wide supply voltage range.

**Wide supply voltage range:** HEF4072BT operates over a wide supply voltage range of 3 V to 15 V, making it compatible with a variety of power supply levels.

**High-speed operation:** It has a fast propagation delay, allowing for high-speed digital signal processing.

**Schmitt-trigger input:** It features Schmitt-trigger input, which provides hysteresis and improves noise immunity.

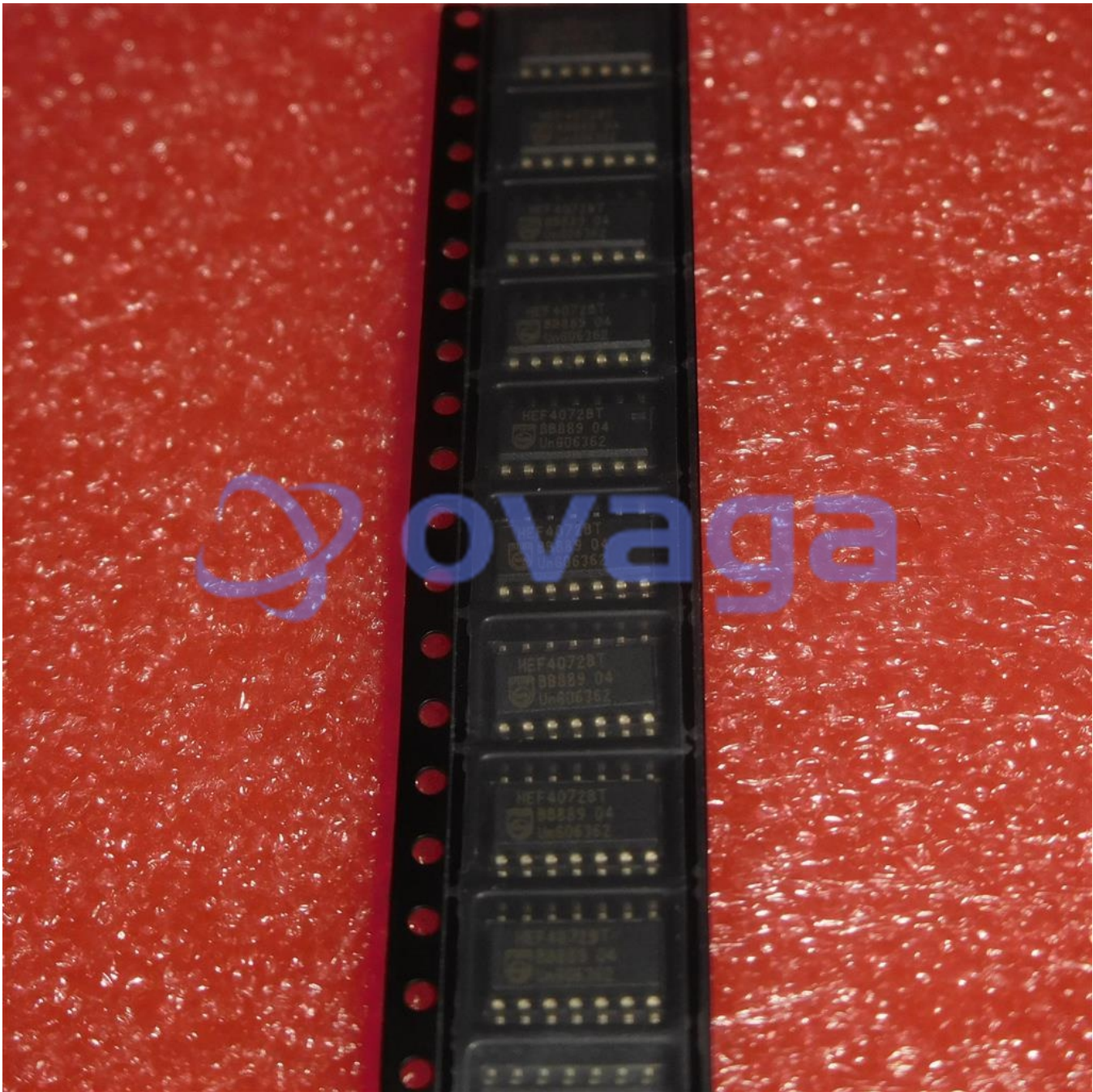
**High output current:** It has a high output current capability, which allows for driving various types of loads.

### Application

**Digital logic circuits:** HEF4072BT can be used in various digital logic circuits, such as combinational logic circuits, data processing units, and arithmetic circuits.

**Signal processing:** It can be used in signal processing applications where OR gate functionality is required, such as in encoding and decoding circuits.

**Interface circuits:** It can be used in interface circuits to convert and process digital signals between different voltage levels and logic families.



### Related Products



#### [HEF4025BT](#)

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SOP-14



#### [HEF40106BT](#)

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