
Technician Question Pool

July 2022 to June 2026

The MORE Project

<http://n2re.org/m-o-r-e-project>



Electronic Components & Circuits

No-Nonsense page 27 - 28

Semiconductors: basic principles & applications of solid state devices, diodes

Diodes have 2 electrodes, the anode and cathode, and conduct current only when the voltage on the anode is positive with respect to the cathode.

When the anode voltage is negative with respect to the cathode, the diode will not conduct current.



T6B02

What electronic component allows current to flow in only one direction?

- A. Resistor
- B. Fuse
- C. Diode
- D. Driven element



ECCD2 Q1 of 6

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T6B02

What electronic component allows current to flow in only one direction?

- A. Resistor
- B. Fuse
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T6B09

What are the names for the electrodes of a diode?

- A. Plus and minus
- B. Source and drain
- C. Anode and cathode
- D. Gate and base



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T6B09

What are the names for the electrodes of a diode?

- A. Plus and minus
- B. Source and drain
- C. Anode and cathode**
- D. Gate and base



T6B06

How is the cathode lead of a semiconductor diode often marked on the package?

- A. With the word "cathode"
- B. With a stripe
- C. With the letter C
- D. With the letter K



T6B06

How is the cathode lead of a semiconductor diode often marked on the package?

- A. With the word "cathode"
- B. With a stripe**
- C. With the letter C
- D. With the letter K



T6B01

Which is true about forward voltage drop in a diode?

- A. It is lower in some diode types than in others
- B. It is proportional to peak inverse voltage
- C. It indicates that the diode is defective
- D. It has no impact on the voltage delivered to the load



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T6B01

Which is true about forward voltage drop in a diode?

- A. It is lower in some diode types than in others**
- B. It is proportional to peak inverse voltage
- C. It indicates that the diode is defective
- D. It has no impact on the voltage delivered to the load



T6B07

What causes a light-emitting diode (LED) to emit light?

- A. Forward DC Current
- B. Reverse DC Current
- C. Capacitively-coupled RF signal
- D. Inductively-coupled RF signal



ECCD2 Q5 of 6

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T6B07

What causes a light-emitting diode (LED) to emit light?

- A. Forward DC Current
- B. Reverse DC Current
- C. Capacitively-coupled RF signal
- D. Inductively-coupled RF signal



T6D07

Which of the following is commonly used as a visual indicator?

- A. LED
- B. FET
- C. Zener diode
- D. Bipolar transistor



ECCD2 Q6 of 6

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T6D07

Which of the following is commonly used as a visual indicator?

- A. LED
- B. FET
- C. Zener diode
- D. Bipolar transistor





A non-profit initiative by the IEEE and ARDC to increase the numbers of youth (12-18) and non-males in Amateur Radio. Participants earn FCC licenses and receive free 2-way radios.

For MORE information: n2re.org/m-o-r-e-project
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