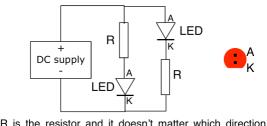
Light-emitting diodes (LEDs) must be connected to a DC supply via current limiting resistors. Two possible arrangements are shown in the diagram.



designated A (anode) and K (cathode). It **does matter** which way these are connected. The K lead is identified in a new LED as having the shorter lead. It is also the lead closer to the flat segment on the flange of the LED

this is connected. The two terminals of the LED are

The voltage drop across a LED of the type in this pack is typically 2V and it requires about 15mA (.015A) of current for reasonable brightness. (**Do not exceed**

body.

(Supply voltage - 2V) ÷ Current required

50mA.) The value of resistor is calculated as:

For a 12V supply and 15mA current, the required resistor is 10 ÷ 0.015 = 667 ohms. The nearest standard resistor value is 680 ohms.

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