

4N25 Optical Coupler



Overview

This animation depicts a simple example of an optocoupler of any type. However, we use 4N25 in this example. This circuit demonstrates LED controlling with a switch optically. At the input side, the logic signal probe provides a logic high-low signal. This animation depicts a simple example of an optocoupler of any type. However, we use 4N25 in this example. This circuit demonstrates LED controlling with a switch optically. At the input side, the logic signal probe provides a logic high-low signal to a photodiode. The phototransistor turns on and turns off according to a state of the logic switch. The pin diagram of 4N25 is given below. However, this pin diagram is also exactly similar for other same series of components such as 4N26, 4N27, and 4N28. It comprises of six pins and one pin is unutilized that is a pin three. The table below illustrates the functionality of each pin shown in the above pin diagram. As their name suggests, 4N25 and other equivalent optocouplers such as 4N26, 4N27, 4N28 can be used to provide electrical isolation between two circuits. In other words, it is used to make an electrical connection between two electrical circuits through photonics signals such as infrared LED and phototransistor. In short, 4N25 optocoupler is used in.

4N25 Optical Coupler



DESCRIPTION hannel phototransistor coupler. This family includes the 4N25, 4N26, 4N27, 4N28. Each optocou



The 4N25 family is an Industry Standard Single Channel Phototransistor Coupler. This family includes the 4N25, 4N26, 4N27, 4N28. Each optocoupler consists of gallium arsenide infrared LED and a ...



4N25-360E to order product of 300 mil DIP-6 DC Gull Wing Surface Mount package in Tube packaging with 20%<CTR, IEC/EN/DIN EN 60767-5-2 Safety Approval and RoHS compliant.



DESCRIPTION ototransistor coupler. This family includes the N25, 4N26, 4N27, 4N28. Each optocoupler consists of gallium arsenide infrared LED and a silic



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In short, 4N25 optocoupler is used in applications where to want to isolate electrical circuits from each other. For further information, check examples that are given in the next section.



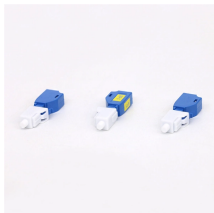
Learn everything about the 4N25 Optocoupler — its pinout, internal working, features, equivalent components, and practical applications. Ideal for beginners and electronics hobbyists.



The 4n25 is commonly used to transfer electrical signals between circuits that operate at different voltages or have different ground connections. By utilizing optical coupling, it can achieve galvanic ...



The 4N25 family is an Industry Standard Single Channel Phototransistor Coupler. This family includes the 4N25/ 4N26/ 4N27/ 4N28. Each optocoupler consists of gallium arsenide infrared LED and a ...



It contains a light emitting diode optically coupled to a photo- transistor. It is packaged in a 6-pin DIP package and available in wide- lead spacing option and lead bend SMD option. Response time, t_r , is ...



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