

How to identify a good or bad optocoupler



Overview

This guide provides a practical, step-by-step method to diagnose a suspect optocoupler. Key Concept: A working opto-coupler and photo-coupler show a clear output change. Understanding how to accurately test and verify the proper functionality of an optocoupler is essential for technicians and hobbyists alike. A good one shows high resistance (OL) with the input LED off and low resistance with it on. Optocoupler has many part number, different part number has different output type so before checking it has to use part number to research with datasheet and. opto-coupler, photo-coupler, or optical-isolator, is a component that transfers electrical signals between two isolated circuits by using light.

Article Content

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HOW TO TEST OPTOCOUPLER ICs CHIPS test ...

Optocoupler has many part number, different part number has different output type so before checking it has to use part number to research with ...

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8 Signs Your High-Voltage Opto-Coupler Needs Replacing

Find out if your high-voltage opto-coupler needs replacing with these signs of wear and tear.

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Is It Possible To Test Whether The Optocoupler Is Good Or Bad With ...

After reading the above content, you know that the optocoupler plays a very important role in the circuit. If the optocoupler is damaged, the circuit cannot be guaranteed. Today we will talk ...

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Testing Methods for Optocouplers | PDF

The document describes 3 methods for testing opto-couplers to determine if they are functioning properly or bad. The methods involve using a multimeter to measure resistance or voltage across the ...

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How to Diagnose and Repair 6N137SDM Optocouplers_ A Guide for ...

After replacing the optocoupler or repairing any faulty components, perform a final round of testing. Use an oscilloscope to ensure the signals are transferred accurately, and a multimeter to ...

Feb 16, 2026

How to Identify a Bad Optocoupler in Minutes

In this video, I explain how to check the LED side and transistor side of an optocoupler, how to identify faulty components, and how to test common optocouplers like the PC817 easily.

Jun 13, 2026

How To Check Optocoupler With Multimeter?

Understanding how to accurately test and verify the proper functionality of an optocoupler is essential for technicians and hobbyists alike.

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HOW TO TEST OPTOCOUPLER ICs CHIPS test integrated circuit

Optocoupler has many part number, different part number has different output type so before checking it has to use part number to research with datasheet and find input type and output ...

Dec 23, 2025

How To Test Opto-coupler (Find Bad Opto-coupler)

Optocouplers are available in four general types, each one having an infra-red LED source but with different photo-sensitive devices. The four optocouplers are called the: Photo-transistor, ...

Dec 10, 2025

Find a Bad Photocoupler with a Multimeter | ODG

A good optocoupler will show a dramatic change in resistance when its internal LED is powered on. This test is one of the most reliable ways to check an optocoupler using a multimeter.

Jun 03, 2026

How do you test a phototransistor optocoupler?

This article will introduce several methods for testing phototransistor optocouplers to help you understand how to ensure the normal operation of these key components.

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