Estlas Command & Optical Systems

Replacement for 4N35W optocoupler

AI Overview

The 4N35W optocoupler can be replaced with equivalents such as 4N25, 4N26, 4N27, 4N28, or PC817, depending on your voltage, speed, and package requirements.Overview of 4N35WThe 4N35W is a general-purpose optocoupler consisting of a gallium arsenide infrared LED driving a silicon NPN phototransistor in a 6-pin DIP package. It provides galvanic isolation up to 5300 Vrms, making it suitable for AC mains detection, microcontroller interfaces, switch-mode power supply feedback, and logic isolation in noisy environments . Its versatility allows use in both analog and digital circuits.Key Specifications to MatchWhen selecting a replacement, consider:Isolation voltage: 5300 Vrms typical for 4N35WOutput type: Phototransistor (NPN)Package: 6-pin DIP or surface-mount equivalentForward current and CTR (Current Transfer Ratio): Ensure the replacement can handle similar LED drive currents and output gainSwitching speed: Rise/fall times suitable for your applicationCommon Replacements4N25 – Similar phototransistor output, slightly higher CTR, same 6-pin DIP package.4N26 – Faster switching than 4N35, suitable for higher-speed digital circuits.4N27 / 4N28 – Variants with improved isolation or speed characteristics.PC817 – Widely available, compact 4-pin DIP or SMD package, suitable for low-to-medium speed applications.TLP521 / TLP521-1 – Toshiba optocoupler with similar phototransistor output, often used in industrial applications.ConsiderationsPinout compatibility: Some replacements like PC817 have a 4-pin package, so circuit modifications may be required.Switching speed: For high-frequency applications, 4N26 or TLP521 may be preferable.Voltage isolation: Ensure the replacement meets or exceeds the 5300 Vrms isolation of the 4N35W.Availability: Check distributors like Mouser, Farnell, or Digi-Key for stock and datasheets . By matching these parameters, you can select a suitable replacement that maintains the performance and safety of your original 4N35W circuit.

Article Content

Replacing 12v incandescent bulb with 4n35 optocoupler

With the existing instrument panel being removed, the bulbs for the warning lights (oil level, fuel level, etc) will not be connected to the bike circuit and each will be replaced by a 4n25 optocoupler to allow

4N35 onsemi | Transistor, Photovoltaic Output Optoisolators | DigiKey

Buy now, ships today. 4N35 - Optoisolator Transistor with Base Output 5300Vrms 1 Channel 6-DIP from onsemi. View datasheets, pricing and availability from DigiKey now!

4N35 Optocoupler: Pinout, Package, Application, and

I. Description of 4N35 Ⅱ. 4N35 pinout and functions Ⅲ. 4N35 technical parameters Ⅳ. How to use 4N35 optocoupler? V. Application of 4N35

4N35 Optocoupler: Pinout, Features, Equivalent, and

Learn everything about the 4N35 optocoupler including its 180-word introduction, pinout details, features, working, equivalent components, and

Agilent 4N35 Phototransistor Optocoupler General Purpose Type

The 4N35 is an optocoupler for general purpose applications. 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

PC817 Alternative Optocoupler | ee-diary

The PC817 is a 4 pin optocoupler IC where the 4N35 is a 6 pin optocoupler IC. * PC817 = 4-pin DIP * 4N35 = 6-pin DIP (you can leave the extra pins floating if unused). So functionally, a

The 4N35 optocoupler and its input voltage.

Hello everyone! i have a question about the 4N35 optocoupler and trying to find the input voltage (diode) on it! the datasheet notes a 7v revers voltage! thank you to light me!

Optocoupler, Phototransistor Output, with Base Connection

Each optocoupler consists of gallium arsenide infrared LED and a silicon NPN phototransistor. Tamb = 25 °C, unless otherwise specified. Stresses in excess of the absolute maximum ratings can cause

Troubleshooting and Safety Practices for Effective 4N35 Optocoupler

The clear preference for replacement rather than repair highlights a practical approach to managing electronic component challenges in today''s technological landscape. Enhanced Safety Protocols for

How to Use the 4N35 Optocoupler in Your Projects: A Complete Guide

The 4N35 is a widely used optocoupler, also known as an optoisolator,designed to transfer electrical signals between two isolated circuits using light. It c...

Invento 3PCS OPTOCOUPLER 4N35 IC for Replacement or DIY Projects

Invento 3PCS OPTOCOUPLER 4N35 IC for Replacement or DIY Projects : Amazon : Industrial & Scientific Interfaces with common logic families Input-output coupling capacitance < 0.5 pF Isolation

Agilent 4N35 Phototransistor Optocoupler General Purpose Type

Agilent 4N35 Phototransistor Optocoupler General Purpose Type Description The 4N35 is an optocoupler for general purpose applications. It contains a light emitting diode optically coupled to a

OPTOCOUPLERS CROSS REFERENCE

Sales Tip(s) PS2561-1/PS2501-1 4 Pin Replacement Lower Cost PS2561-1/PS2501-1 4 Pin Replacement Lower Cost PS2561-1/PS2501-1 4 Pin Replacement Lower Cost PS2561-1 ...

4N25 vs 4N35: Which Optocoupler Should You Choose for Your

Choosing between 4N25 and 4N35 depends heavily on application type. For precision analog work, especially in regulated supplies, the higher CTR, greater linearity, and superior low-current

4N35 Optocoupler IC: Datasheet, Pinout, Circuit Diagram & Uses

This article exploresthe 4N35 Optocoupler IC circuit diagram, pinout, datasheet, uses and more details, uncover the crucial role this component plays.

4N35 Optocouplers

The 4N35 optocouplers are ideal for power supply regulators, digital logic inputs, microprocessor inputs, and power supply monitors. onsemi 4N35 Optocouplers are general-purpose

4N35 Optocoupler confusion

Hello, I''ve made a small circuit using the Optocoupler diagram to use a 4N35 optocoupler to switch the remote control of a 35mm slide projector. The circuit I have made works when I test it

4N35W ON Optokoppler / Photokoppler

If there is something wrong with the 4N35W we delivered, we will accept the replacement or return of the 4N35W only when all of the below conditions are fulfilled:

Optocoupler, Phototransistor Output, with Base Connection

These families include the 4N35, 4N36, 4N37, 4N38 couplers. Each optocoupler consists of gallium arsenide infrared LED and a silicon NPN phototransistor. These couplers are Underwriters

Optocoupler, Phototransistor Output, with Base Connection

Each optocoupler consists of gallium arsenide infrared LED and a silicon NPN phototransistor. These couplers are Underwriters Laboratories (UL) listed to comply with a 5000 VRMS isolation test

Optocoupler Cross-Reference & Compatible Equivalents

Find compatible optocoupler replacements and equivalents using our comprehensive cross-reference search tool. View packages, specs, and pinout details.

Optocoupler, Phototransistor Output, with Base Connection

DESCRIPTION Each optocoupler consists of gallium arsenide infrared LED and a silicon NPN phototransistor.

Amazon : 4n35

20PCS 4N35 Optocoupler IC DIP-6, Phototransistor Optoisolator with High Isolation Voltage for Arduino Projects, Signal Isolation and Embedded Electronics Applications

The Ultimate Guide to 4N35 Optocouplers and 4N25 vs. 4N35

3. What is equivalent to 4N35 optocoupler? 4N35 replacement and equivalent optocouplers are 4N36, 4N37, 4N25, 4N26, 4N28, PC816, PC817, 4N27, 4N36 & H11Ax series.

4N35: Optocoupler (Opto-Isolator) Explained – Tricky

The 4N35 is an optocoupler (opto-isolator) that provides electrical isolation between two circuits using light. It is commonly used in signal isolation, microcontroller

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://estlascleaning.co.za
Email: info@estlascleaning.co.za
Phone: +27 63 214 8579
Address: 22 Oxford Road, Parktown, Johannesburg, 2193, South Africa

This document is for informational purposes only. Specifications subject to change without notice.