

Optocoupler Selection Guide

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Optocoupler Selection Guide

Optocouplers OLS700 Transfer Gain, K1/K2 0.75 1.25 - - - 1000 2 OLS7000 4 LED A Anode Cathode LED Cathode Photovoltaic Driver LED K PD A PD K Control Circuitry Photovoltaic Optocouplers OLI910 I SC @ I F = 10 mA -7 μ A - 1500 7 OLS910 2 OLS910 4 OLI920 2500 8 | Optocoupler Product Selector Guide 1. Radiation tolerant. 2. No base connection.

markets and applications. | Optocoupler Product Selector Guide

Optocoupler types are determined by the type of detector used, as described below. Certain types have different characteristics and are therefore better suited to specific applications. Optocouplers are often referred to by their "output type"; for example, a phototransistor device might be called

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an optocoupler "with phototransistor output."

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8271 Optocouplers Selection Guide. www.renesas.eu2012.10. Optocoupler. Selection Guide. 88271_Optocouplers_Selection_Guide.indd 2271_Optocouplers_Selection_Guide.indd 2 225.10.12 16:275.10.12 16:27. www.renesas.eu. Introduction. Renesas offers a leading portfolio of high performance optocouplers. Key features enabling customers to develop market leading products include 7.5 KV isolation voltage (PS99-series), minimum CMR of 50 KV/ μ s (PS9307) as well as wide package distance up to 14.5 mm.

8271 Optocouplers Selection Guide - Renesas Electronics

Electrical and structural parameters are a primary consideration to match a specific photocoupler to your application. Major criteria that apply to all categories are noted here. Additional electrical selection criteria for specific categories are discussed in more detail later: Isolation voltage (BVs). Creepage distance. The minimum distance along the insulator (package) between input pins and output pins.

Selecting optocouplers - Electronic Products

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Directional Digital Optocoupler 19 High Speed Digital CMOS Logic Gate Optocoupler 21 20 MBd Logic Gate Optocoupler 22 10 MBd Logic Gate/CMOS Optocoupler

SELECTION GUIDE Optoisolation and Optical Sensor Products

SELECTION GUIDE Hermetic High Reliability Optocoupler Products broadcom.com. 2 Hermetic High Reliability Optocouplers Description Isolating one portion of an electrical circuit from another is the primary function of an optocoupler. These devices isolate different voltage levels

SELECTION GUIDE Hermetic High Reliability Optocoupler Products

Optocoupler selection and usage for isolating a PWM June 13, 2017 By Janet Heath An optocoupler (or optoisolator) is a device that galvanically separates circuits and is not only great at isolation but allows you to interface to circuits with different ground planes or that operate at different voltage levels.

Optocoupler selection and usage for isolating a Pulse ...

Start by choosing a "gate drive" push-pull optocoupler and you almost can't go wrong. I would choose one with a supply voltage of 30 volts or so to give yourself some margin running a motor. You may need a resistor on the input side to limit diode current.

opto isolator - How to choose optocoupler - Electrical ...

a symbol and selection of package types are shown. Optocouplers are available in many different packages and configurations. One typical symbol that can be found - an infrared diode and a phototransistor together in a 4-pin package - is shown in figure 2. Figure 2 also highlights the different packages in which the VO617A is available.

Guidelines for Reading an Optocoupler Datasheet

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Optocoupler Selection Guide. Get Free Optocoupler Selection Guide. Optocoupler Selection Guide. pdf free optocoupler selection guide manual pdf pdf file. Page 1/6. Get Free Optocoupler Selection Guide. Page 2/6. Get Free Optocoupler Selection Guide. Preparing the optocoupler selection guide to entrance all hours of daylight is gratifying for many people.

Optocoupler Selection Guide - 1x1px.me

An optocoupler is used as input interface. It is a function of insulation and adaptation. A relay is used as output interface. It is voltage adaptation and it allows more power. The power optocoupler is used when the number of operations is important. Technical data Pushbutton Position switch Motor Sensor Optocoupler Relay or Optocoupler PLC Motor

Short Form Catalogue Relays Optocouplers

How to use this selection guide : 1Choose the coil voltage AC or DC 2Choose the contact type together with the current needed for your application 3 Verify the connection type, the number of relays and the spacing Go to see the indicated page for more technical data 4 or Use the part number to place an order

Relays and Optocouplers - ABB

Broadcom Optoisolation and Optical Sensor Products Selection Guide. Avago Optocouplers for Extended Temperature Industrial Applications. Optoisolation Products Filo Selection Guide. Fiber Optic and Isolation Solutions for Renewable Energy Applications. Smart Gate Drive Optocoupler with Integrated Flyback Controller.

Optocouplers and Opto-Isolators

Radiation Tolerant Phototransistor Hermetic Surface Mount Optocoupler. OLS910. Photovoltaic Optocouplers. Hermetic Surface Mount Photovoltaic Optocoupler. OLI100. Phototransistor

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Optocouplers. Miniature Phototransistor Optocoupler for Hybrid Assembly. OLI300. High-speed Optocouplers.

Skyworks | Products - Optocouplers

What optocoupler output current should I choose? Initially, there were doubts about the high peak current of the solid state relay (1A). At this maximum current, the optocouplers require a supply voltage > 5 V, which in my case is not suitable, since all control circuits have a voltage of 5 V.

opto isolator - Optocoupler output current selection ...

This handbook begins with a selection guide followed by sections discussing critical optocoupler design parameters such as Insulation and Withstand Voltage, Regulatory Agency Safety Standards, Common-Mode Transient Rejection, Product Life and light emitting diode (LED) aging. The rest of the guide consists of application circuits.

Optocoupler - HEPHY

The new R600 range of relays and optocouplers is the solution for all your applications. It provides a wide panel of relay and optocoupler products with many functions. Optocoupler range Input voltage : from 5 to 250 V AC/DC Voltage switching range : from 5 to 58 V DC, from 20 to 400 V AC Current switching range : from 1 mA to 5 A Overvoltage ...

Short Form Catalogue Relays Optocouplers R600 Series

The 6N134 is a commercial grade two channel hermetically sealed optocoupler in a 16-Pin ceramic DIP package. Gold plated leads, solder dipped leads and various lead form options are also available.

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