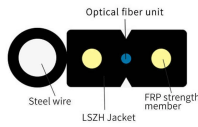


## Output voltage of optocoupler



## Output voltage of optocoupler



Assuming that a single HCT output is only feeding this optocoupler, a logic 1 voltage of about 4.9V can be presumed. The output current available from a HCT gate to drive the optocoupler input is limited ...



On the output side, Figure 11 shows a typical collector-emitter voltage (VCE) sweep, similar to a bipolar NPN or PNP transistor output curve. It consists of collector-emitter voltage (VCE) and collector ...

Length:14.5mm  
Small-end inner diameter:2.0mm  
Large-end inner diameter:3.5mm  
Outer diameter:5.2mm



Optocoupler parameters made easy: a beginner's guide to understanding the key parameters and their practical implications.



Isolation voltage (Viso): It is defined as the absolute maximum AC voltage that can exist across the input and output circuit stages of the optocoupler, without causing any harm to the device.



The allowable maximum alternating current voltage that can be applied between the input pins and output pins is expressed as a root mean square (rms) value. This value guarantees a certain ...



An optocoupler (or opto-isolator) is a component that transfer signals between circuits using light. In this guide, you'll learn how they work and how you can use one in your own projects.



Each channel is fully independent — you can use different input voltages and different output voltages on each channel simultaneously. The schematic below shows one of the PC817 ...



The rise and fall times of the output voltage ( $V_{out}$ ) are expressed with the parameters  $t_r$  and  $t_f$  respectively, with the rise time corresponding to the time it takes for the output voltage to rise from 10 ...



If the optocoupler is current-starved, the output voltage will keep rising until the proper amount of LED current conducts through the optocoupler. This results in overvoltage conditions on the output, and is ...



Since there is no direct electrical connection between the input and output of an optocoupler, electrical isolation up to 5kV is achieved. Optocouplers are available in four general ...

## Contact Us

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