

JTElectronics

Red 3mm Flashing LED

Model: JTERFL



The JTERFL is a red LED that automatically flashes when power is applied at a rate of about 1Hz. It can be used anywhere a normal red LED is used like as a visual warning indicator, on toys, on model railway as an end-of-train indicator etc.

The LED's are sold in a bag of 10

If required, you will need to obtain the series current limiting resistors (from Jaycar).

JTERFL LED SPECIFICATIONS

FORWARD VOLTAGE	1.8 - 2.0v
LED CURRENT	20mA

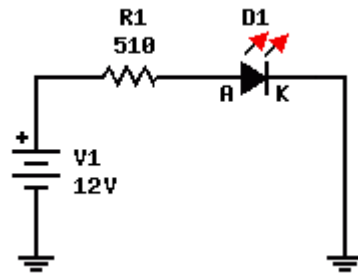
This document is updated from time to time as new information becomes available – usually due to people asking relevant questions regarding usage or configuration. The “Document Updated” date in the bottom-right corner of each page shows what document date you have. The latest version of this datasheet document can be downloaded from <http://www.jtelectronics.co.nz/products/documents/> or Google “JTERFL”...

JTERFL – WIRING DIAGRAM

LED's must always be connected with a series current limiting resistor, or they will be instantly destroyed. The resistor will need to limit the current to 20mA maximum with a LED forward voltage of around 2.0V for a red LED. Typical values of series resistor for a Red LED at various supply voltages are as follows:

5 Volts	150 ohms	
9 Volts	350 ohms	(330 ohms or 360 ohms)
12 Volts	500 ohms	(470 ohms or 510 ohms)
15 Volts	650 ohms	(620 ohms or 680 ohms)

You may not be able to obtain some of these exact resistor values so select the closest value. If you have other supply voltages, enter the required values into the excellent calculator at: <https://www.hobby-hour.com/electronics/ledcalc.php>



LED's must always be connected with the correct polarity for them to work. They have a positive wire (anode) and a negative wire (cathode) and there are two methods to clearly identify which wire is which - as shown in the diagrams below.

1. If the LED wires have not been cut, the Positive/Anode wire is 3 to 6 millimetres longer
2. When looking at the bottom of the LED, a flat side on the LED case will indicate the Negative/Cathode wire

