

LED TOL BOUWPAKKET

€ 6,95

Excl. BTW: € 5,74

Afbeeldingen



The circuit consists of a PCB populated with a multivibrator to drive two groups of LED lighting alternately. When connected to the rotating LED ring, the vibration switch is connected to the ground supply. The circuit works, because of the temporary phenomenon of eye vision, once a pattern appears.

WORKING PRINCIPLE
When the battery is loaded, the switch S1 is disconnected, so the circuit does not work. When the gear is rotated, due to the optical effect, the vibration switch S1 is connected, and the circuit works. The working principle of the multi-vibrator circuit is that when the power is connected, the two capacitors C1 and C2 will charge to the plate, but because of the difference of components, only one tube in the most plate. Thus the two transistors in the circuit will take turns to conduct, and the two lighting groups will keep circulating light. When the gear is rotated, the bright LED will appear in a straight line because the lights are staggered, and each two lights are alternately so there are multiple colored line ahead patterns.

COMPONENT LIST

| Name | Number | Name | Number |
|----------------------------|--------|------------------|--------|
| 104 ceramic chip capacitor | 2 | M2-D3 screws | 1 |
| 1.5 resistor | 4 | M2-D3 pins | 1 |
| 1.5 resistor | 2 | M2-D3 plates | 1 |
| BC137 ic chip | 2 | Vibration switch | 1 |
| Battery holder | 2 | Circuit board | 1 |
| Printed | 4 | | |

Beschrijving

Bouwkit Led Tol

Productinformatie

| | |
|---------------|-------|
| Artikelnummer | EKO36 |
| Merk | Brand |

