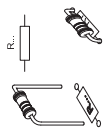


1. Resistors



CHOOSE
6 or 12V



12V battery

- R1 : 330 (3 - 3 - 1 - B) (1W)
- R2 : 330 (3 - 3 - 1 - B) (1W)
- R3 : 150 (1 - 5 - 1 - B)
- R4 : 100 (1 - 0 - 1 - B) (1W)
- R5 : 150 (1 - 5 - 1 - B) (1W)
- R6 : 150 (1 - 5 - 1 - B) (1W)
- R7 : 150 (1 - 5 - 1 - B) (1W)

6V battery

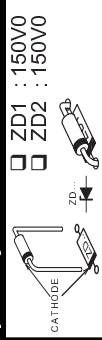
- R1 : 150 (1 - 5 - 0 - B) (1W)
- R2 : 150 (1 - 5 - 0 - B) (1W)
- R3 : 68 (6 - 8 - 0 - B)
- R4 : 100 (1 - 0 - 1 - B)
- R5 : 68 (6 - 8 - 0 - B) (1W)
- R6 : 68 (6 - 8 - 0 - B) (1W)
- R7 : 68 (6 - 8 - 0 - B) (1W)

2. Diodes. Watch the polarity!



- D1 : 1N4007
- D2 : 1N4007
- D3 : 1N4007
- D4 : 1N4007

3. Zenerdiodes. Watch the polarity!



- ZD1 : 150V0
- ZD2 : 150V0

4. Electrolytic Capacitor.



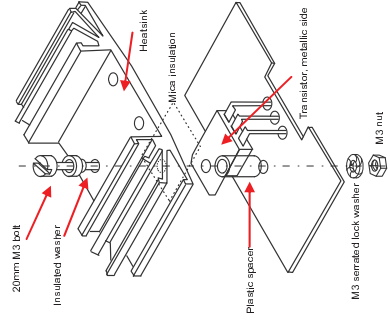
- C1 : 0.22µF/630VDC

5. Transistor T1



- T1 : 2N2219A

6. Transistor T2 + heatsink



- T2 : TIP162 or BU931P