

## AARDWOLF mosfet Amplifier Bill Of Materials

| No. | Description                  | References     | Value      | Quantity Per PCB |
|-----|------------------------------|----------------|------------|------------------|
| 1   | Unpolarized capacitor        | C7             | 100nf 63v  | 1                |
| 2   | Unpolarized capacitor        | C5             | 10nf 63v   | 1                |
| 3   | Unpolarized capacitor        | C4             | 10pf 63v   | 1                |
| 4   | Unpolarized capacitor        | C2             | 220pf 63v  | 1                |
| 5   | Polarized capacitor          | C3             | 220uf 16v  | 1                |
| 6   | Polarized capacitor          | C8 C9          | 220uf 50v  | 2                |
| 7   | Polarized capacitor          | C1             | 22uf 63v   | 1                |
| 8   | Unpolarized capacitor        | C6             | 47pf 63v   | 1                |
| 9   | 1N4148 diode                 | D1             | 1N4148     | 1                |
| 10  | Positive Supply              | J2             | +VE Supply | 1                |
| 11  | Negative Supply              | J6             | -VE Supply | 1                |
| 12  | Ground                       | J4 J5          | GND        | 2                |
| 13  | Screw terminal, 01x02        | J1             | Signal IN  | 1                |
| 14  | Speaker out                  | J3             | Speaker    | 1                |
| 15  | Inductor Coil                | L1             | 1000nH     | 1                |
| 16  | BC546                        | Q3             | BC546      | 1                |
| 17  | BC556                        | Q1 Q2          | BC556      | 2                |
| 18  | BD139                        | Q5             | BD139      | 1                |
| 19  | BD140                        | Q4             | BD140      | 1                |
| 20  | IRFP240 / IRF540 / IRF640    | Q6             | IRFP240    | 1                |
| 21  | IRFP9240 / IRF9540 / IRF9640 | Q7             | IRFP9240   | 1                |
| 22  | Resistor 2watt               | R15 R16        | 0R22       | 2                |
| 23  | Resistor 1watt               | R17            | 10         | 1                |
| 24  | Resistor 1/4watt             | R8 R10 R11 R12 | 100        | 4                |
| 25  | Resistor 1/2watt             | R4 R9          | 15K        | 2                |
| 26  | Resistor 1/4watt             | R1 R3 R5 R6    | 1K         | 4                |
| 27  | Resistor 1/4watt             | R2 R7          | 33K        | 2                |
| 28  | Resistor 1/4watt             | R13 R14        | 470        | 2                |