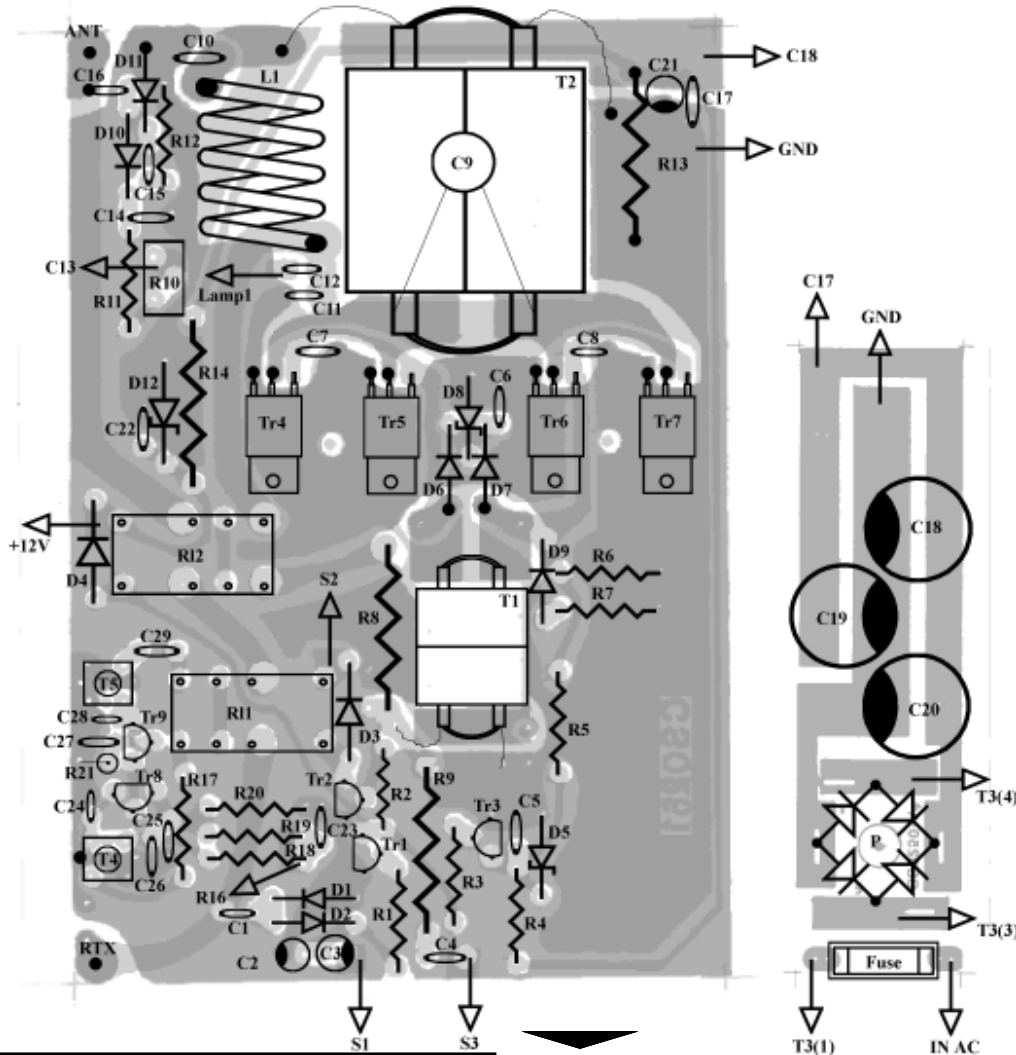
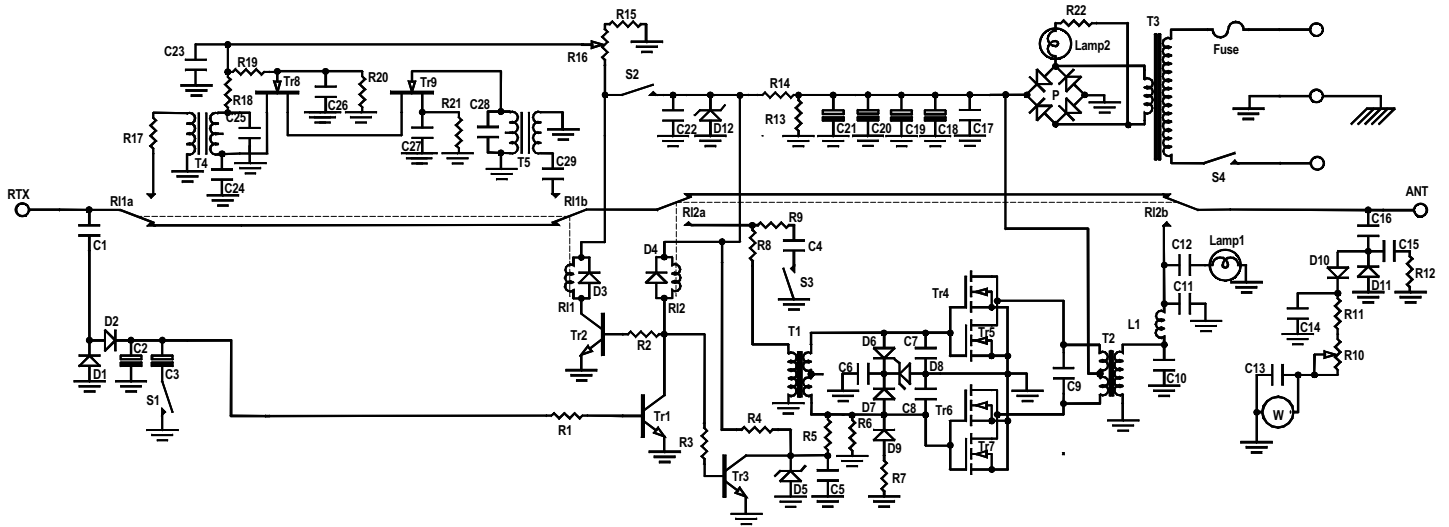


Mod. 250 linear amplifier

Schematic diagram

Version 3.00



List of components

| | | | | | | |
|-----------------|------------------|----------------|------|--|---|------|
| C ₁ | = 8,2 pF | 50 V | N750 | R ₂₀ | = 22 K Ω | 1/4W |
| C ₂ | = 4,7 μ F | 16 V | | R ₂₁ | = 180 Ω | 1/4W |
| C ₃ | = 33 μ F | 16 V | | R ₂₂ | = 330 Ω | 2W |
| C ₄ | = 82 pF | 50 V | N750 | D ₁ = D ₂ = D ₆ = D ₇ = D ₉ = D ₁₀ = D ₁₁ | = 1N4148 | |
| C ₅ | = 10 nF | 50 V | | D ₃ = D ₄ | = 1N4004 | |
| C ₆ | = 10 nF | 50 V | | D ₅ | = Zener 7,5 V 1/2W | |
| C ₇ | = 150 pF | 50 V | N750 | D ₈ | = Zener 20 V 1W | |
| C ₈ | = 150 pF | 50 V | N750 | D ₁₂ | = Zener 12 V 1W | |
| C ₉ | = 56 pF | 500 V | N750 | P | = Bridge 60 V 25 A | |
| C ₁₀ | = 82 pF | 500 V | N750 | Tr ₁ = Tr ₂ = Tr ₃ | = BC 547 | |
| C ₁₁ | = 47 pF | 500 V | N750 | Tr ₄ = Tr ₅ = Tr ₆ = Tr ₇ | = MOS RM3 | |
| C ₁₂ | = 8,2 pF | 50 V | N750 | Tr ₈ = Tr ₉ | = BF 245 | |
| C ₁₃ | = 100 nF | 50 V | | Rl ₁ = Rl ₂ = Relè | 12 V 3022 | |
| C ₁₄ | = 100 nF | 50 V | | Fuse | = 2A | |
| C ₁₅ | = 33 pF | 50 V | N750 | L ₁ | = 6 turns ϕ 15 mm wire ϕ 1,5 mm | |
| C ₁₆ | = 2,2 pF | 50 V | N750 | Lamp ₁ | = 24 V | |
| C ₁₇ | = 100 nF | 50 V | | Lamp ₂ | = Meter lamp | |
| C ₁₈ | = 4700 μ F | 35 V | | S ₁ | = Switch 3A (AM SSB) | |
| C ₁₉ | = 4700 μ F | 35 V | | S ₂ | = Switch 3A (Pre ON) | |
| C ₂₀ | = 2200 μ F | 35 V | | S ₃ | = Switch 3A (HI LOW) | |
| C ₂₁ | = 33 μ F | 35 V | | S ₄ | = Switch 3A (ON OFF) | |
| C ₂₂ | = 10 nF | 50 V | | T ₁ | = Input transformer | |
| C ₂₃ | = 10 nF | 50 V | | T ₂ | = Output transformer | |
| C ₂₄ | = 33 pF | 50 V | N750 | T ₃ | = Transformer IN 220V OUT 14V | |
| C ₂₅ | = 10 nF | 50 V | | T ₄ = T ₅ | = Transformer 30 MHz | |
| C ₂₆ | = 10 nF | 50 V | | | | |
| C ₂₇ | = 10 nF | 50 V | | | | |
| C ₂₈ | = 27 pF | 50 V | N750 | | | |
| C ₂₉ | = 10 nF | 50 V | | | | |
| R ₁ | = 2,2 K Ω | 1/4W | | | | |
| R ₂ | = 12 K Ω | 1/4W | | | | |
| R ₃ | = 12 K Ω | 1/4W | | | | |
| R ₄ | = 1,0 K Ω | 1/4W | | | | |
| R ₅ | = 10 K Ω | 1/4W | | | | |
| R ₆ | = 3,9 K Ω | 1/4W | | | | |
| R ₇ | = 1,0 K Ω | 1/4W | | | | |
| R ₈ | = 10 Ω | 2W | | | | |
| R ₉ | = 47 Ω | 2W | | | | |
| R ₁₀ | = Trimmer | 220 K Ω | | | | |
| R ₁₁ | = 47 K Ω | 1/4W | | | | |
| R ₁₂ | = 27 Ω | 1/2W | | | | |
| R ₁₃ | = 330 Ω | 2W | | | | |
| R ₁₄ | = 47 Ω | 2W | | | | |
| R ₁₅ | = 4,7 K Ω | 1/4W | | | | |
| R ₁₆ | = Potenziometer | 4,7 K Ω | | | | |
| R ₁₇ | = 18 Ω | 1/2W | | | | |
| R ₁₈ | = 470 Ω | 1/4W | | | | |
| R ₁₉ | = 56 K Ω | 1/4W | | | | |