



RM

Costruzioni Elettroniche

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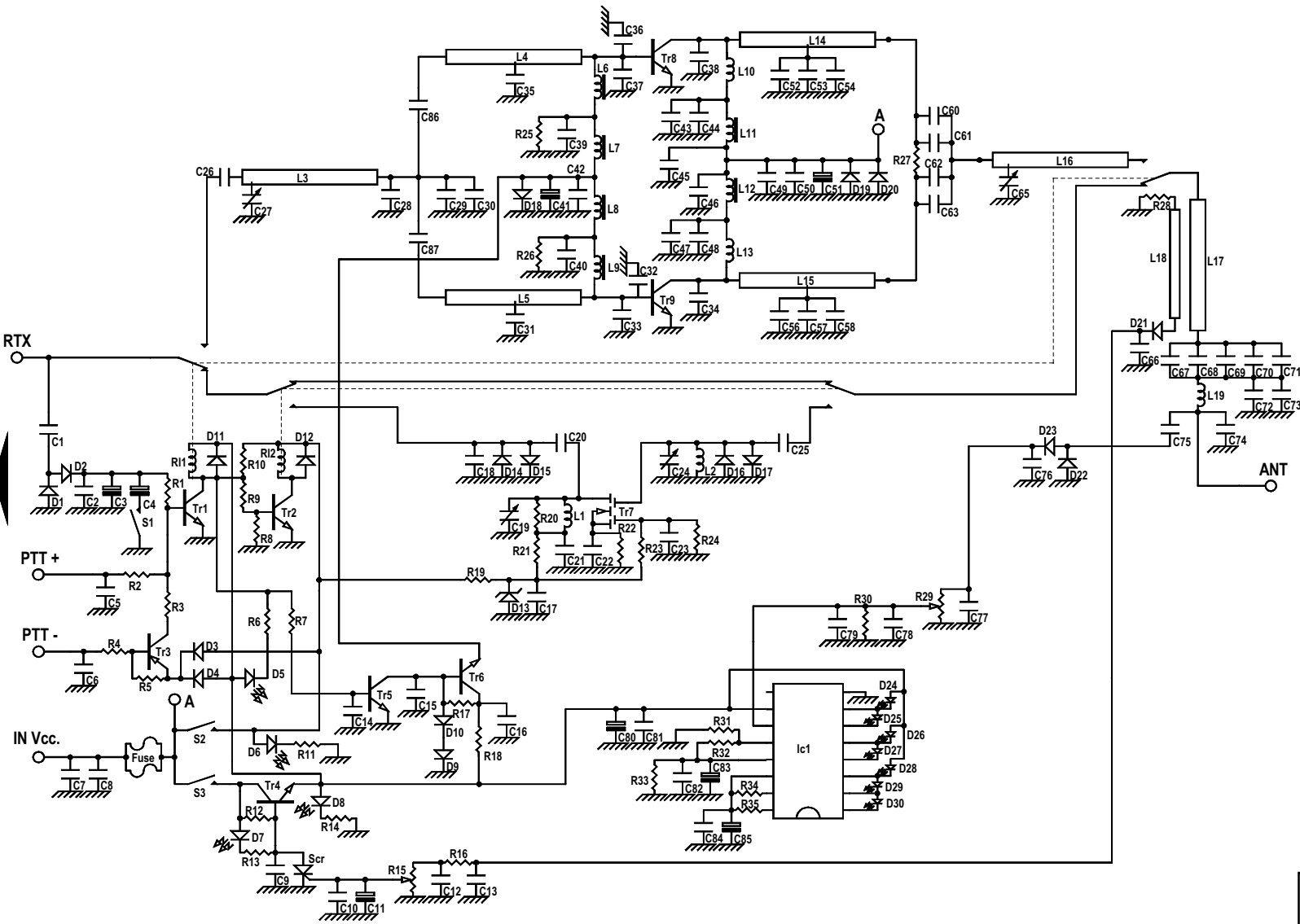
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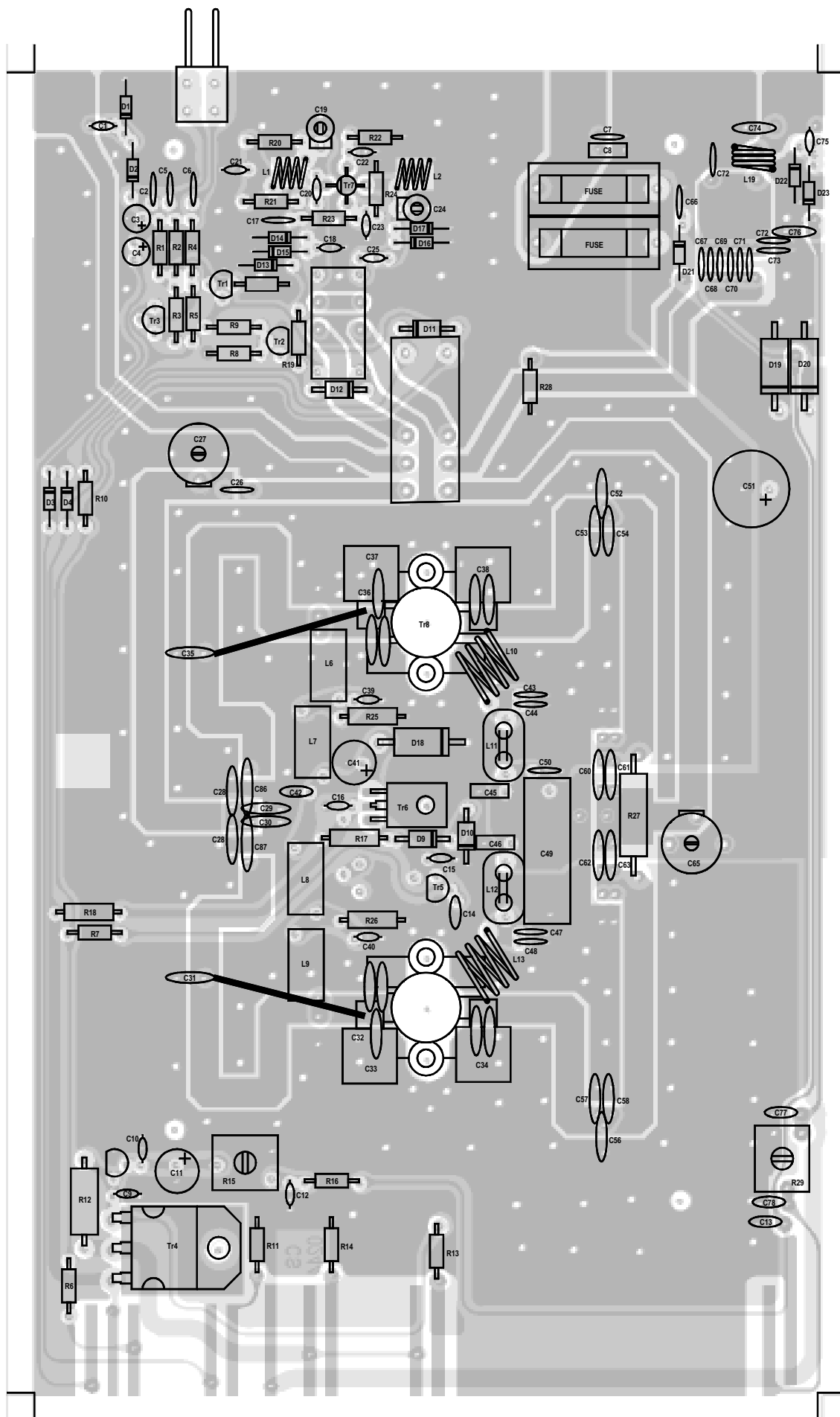
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Mod. VI.A 200-2 VHF linear amplifier

Schematic diagram

Version 1.01





List of components

C ₁ = 2,2 pF	NP0	50 V		C ₄₉ = 33 nF	1000 V	Polyester
C ₂ = 1,0 nF		50 V		C ₅₀ = 100 nF	50 V	
C ₃ = 4,7 μF		16 V		C ₅₁ = 470 μF	25 V	
C ₄ = 33 μF		16 V		C ₅₂ = 33 pF	NP0	500 V
C ₅ = 1,0 nF		50 V		C ₅₃ = 33 pF	NP0	500 V
C ₆ = 1,0 nF		50 V		C ₅₄ = 33 pF	NP0	500 V
C ₇ = 10 nF		50 V		C ₅₅ = not present		
C ₈ = 220 nF		63 V	Multilayer	C ₅₆ = 33 pF	NP0	500 V
C ₉ = 1,0 nF		50 V		C ₅₇ = 33 pF	NP0	500 V
C ₁₀ = 1,0 nF		50 V		C ₅₈ = 33 pF	NP0	500 V
C ₁₁ = 10 μF		16 V		C ₅₉ = not present		
C ₁₂ = 1,0 nF		50 V		C ₆₀ = 1,0 nF	500 V	
C ₁₃ = 1,0 nF		50 V		C ₆₁ = 1,0 nF	500 V	
C ₁₄ = 1,0 nF		50 V		C ₆₂ = 1,0 nF	500 V	
C ₁₅ = 1,0 nF		50 V		C ₆₃ = 1,0 nF	500 V	
C ₁₆ = 1,0 nF		50 V		C ₆₄ = not present		
C ₁₇ = 1,0 nF		50 V		C ₆₅ = Trimmer 10 - 80 pF		
C ₁₈ = 4,7 pF	NP0	50 V		C ₆₆ = 1,0 nF	50 V	
C ₁₉ = Trimmer 3 - 10 pF				C ₆₇ = 180 pF	N750	500V
C ₂₀ = 4,7 pF	NP0	50 V		C ₆₈ = 180 pF	N750	500V
C ₂₁ = 1,0 nF		50 V		C ₆₉ = 180 pF	N750	500V
C ₂₂ = 1,0 nF		50 V		C ₇₀ = 180 pF	N750	500V
C ₂₃ = 1,0 nF		50 V		C ₇₁ = 180 pF	N750	500V
C ₂₄ = Trimmer 3 - 10 pF				C ₇₂ = 2x12 pF	NP0	500 V
C ₂₅ = 3,9 pF	NP0	50 V		C ₇₃ = 8,2 pF	NP0	500 V
C ₂₆ = 470 pF	N750	50 V		C ₇₄ = 22 pF	NP0	500 V
C ₂₇ = Trimmer 10 - 80 pF				C ₇₅ = 2,2 pF	NP0	50 V
C ₂₈ = 33 +12 pF	NP0	500 V		C ₇₆ = 1,0 nF	50 V	
C ₂₉ = 18 pF	NP0	500 V		C ₇₇ = 1,0 nF	50 V	
C ₃₀ = 18 pF	NP0	500 V		C ₇₈ = 1,0 nF	50 V	
C ₃₁ = 33 pF	NP0	500 V		C ₇₉ = 10 nF	50 V	
C ₃₂ = 2x22+33 pF	N750	500 V		C ₈₀ = 10 μF	16 V	
C ₃₃ = 270 pF	500 V	Mica		C ₈₁ = 10 nF	50 V	
C ₃₄ = 390 pF	500 V	Mica + 47+56 pF	500 V NP0	C ₈₂ = 10 nF	50 V	
C ₃₅ = 33 pF	NP0	500 V		C ₈₃ = 4,7 μF	16 V	
C ₃₆ = 2x22+33 pF	N750	500 V		C ₈₄ = 10 nF	50 V	
C ₃₇ = 270 pF	500 V	Mica		C ₈₅ = 10 μF	16 V	
C ₃₈ = 390 pF	500 V	Mica + 47+56 pF	500 V NP0	C ₈₆ = 470 pF	N750	50 V
C ₃₉ = 1,0 nF	50 V			C ₈₇ = 470 pF	N750	50 V
C ₄₀ = 1,0 nF	50 V			R ₁ = 2,2 KΩ	¼ W	
C ₄₁ = 47 μF	16 V			R ₂ = 2,2 KΩ	¼ W	
C ₄₂ = 1,0 nF	50 V			R ₃ = 2,2 KΩ	¼ W	
C ₄₃ = 2,2 nF	500 V			R ₄ = 12 KΩ	¼ W	
C ₄₄ = 1,0 nF	500 V			R ₅ = 2,2 KΩ	¼ W	
C ₄₅ = 220 nF	63 V	Multilayer		R ₆ = 1,0 KΩ	¼ W	
C ₄₆ = 220 nF	63 V	Multilayer		R ₇ = 12 KΩ	¼ W	
C ₄₇ = 1,0 nF	500 V			R ₈ = 12 KΩ	¼ W	
C ₄₈ = 2,2 nF	500 V			R ₉ = 12 KΩ	¼ W	

R ₁₀ = 4,7 K Ω ¼ W	L ₂ = 4 turns ϕ 5 mm wire ϕ 0,8 mm
R ₁₁ = 1,0 K Ω ¼ W	L ₃ = Strip line
R ₁₂ = 330 Ω 2 W	L ₄ = Strip line
R ₁₃ = 1,0 K Ω ¼ W	L ₅ = Strip line
R ₁₄ = 1,0 K Ω ¼ W	L ₆ = VK 200
R ₁₅ = Trimmer 4,7 K Ω	L ₇ = VK 200
R ₁₆ = 2,2 K Ω ¼ W	L ₈ = VK 200
R ₁₇ = 1,2 K Ω ¼ W	L ₉ = VK 200
R ₁₈ = 1,0 Ω ½ W	L ₁₀ = 3 turns ϕ 8 mm wire ϕ 1,5 mm
R ₁₉ = 270 Ω ¼ W	L ₁₁ = 2 turns wire ϕ 1,5 mm on ½ balun
R ₂₀ = 1,0 K Ω ¼ W	L ₁₂ = 2 turns wire ϕ 1,5 mm on ½ balun
R ₂₁ = 150 Ω ¼ W	L ₁₃ = 3 turns ϕ 8 mm wire ϕ 1,5 mm
R ₂₂ = 220 Ω ¼ W	L ₁₄ = Strip line
R ₂₃ = 6,8 K Ω ¼ W	L ₁₅ = Strip line
R ₂₄ = 3,3 K Ω ¼ W	L ₁₆ = Strip line
R ₂₅ = 10 Ω ½ W	L ₁₇ = Strip line
R ₂₆ = 10 Ω ½ W	L ₁₈ = Strip line
R ₂₇ = 100 Ω 2 W	L ₁₉ = 3 turns ϕ 6 mm wire ϕ 1,2 mm
R ₂₈ = 100 Ω ¼ W	RI ₁ = 4052 - 12
R ₂₉ = Trimmer 220 K Ω	RI ₂ = 3022 - 12
R ₃₀ = 180 Ω ¼ W	Fuse = 2 x 12 A
R ₃₁ = 10 K Ω ¼ W	S ₁ = Switch 3A (FM - SSB)
R ₃₂ = 100 K Ω ¼ W	S ₂ = Switch 3A (Pre ON - OFF)
R ₃₃ = 22 K Ω ¼ W	S ₃ = Switch 3A (Lin ON - OFF)
R ₃₄ = 22 K Ω ¼ W	
R ₃₅ = 10 K Ω ¼ W	
D ₁ = D ₂ = D ₃ = D ₄ = 1N4148	
D ₅ = Led (red)	
D ₆ = Led (yellow)	
D ₇ = Led (red)	
D ₈ = Led (green)	
D ₉ = D ₁₀ = D ₁₁ = D ₁₂ = 1N4004	
D ₁₃ = Zener 7,5 V ½ W	
D ₁₄ = D ₁₅ = D ₁₆ = D ₁₇ = 1N4148	
D ₁₈ = D ₁₉ = D ₂₀ = 1N5400	
D ₂₁ = D ₂₂ = D ₂₃ = 1N4148	
D ₂₄ = D ₂₅ = D ₂₆ = D ₂₇ = Led (green)	
D ₂₈ = D ₂₉ = D ₃₀ = Led (green)	
Tr ₁ = BC 547	
Tr ₂ = BC 547	
Tr ₃ = BC 557	
Tr ₄ = TIP 142	
Tr ₅ = BC 547	
Tr ₆ = BD 175	
Tr ₇ = BF 966	
Tr ₈ = SD 1477	
Tr ₉ = SD 1477	
Scr = C 102	
Ic ₁ = KA 2288	
L ₁ = 4 turns ϕ 5 mm wire ϕ 0,8 mm	