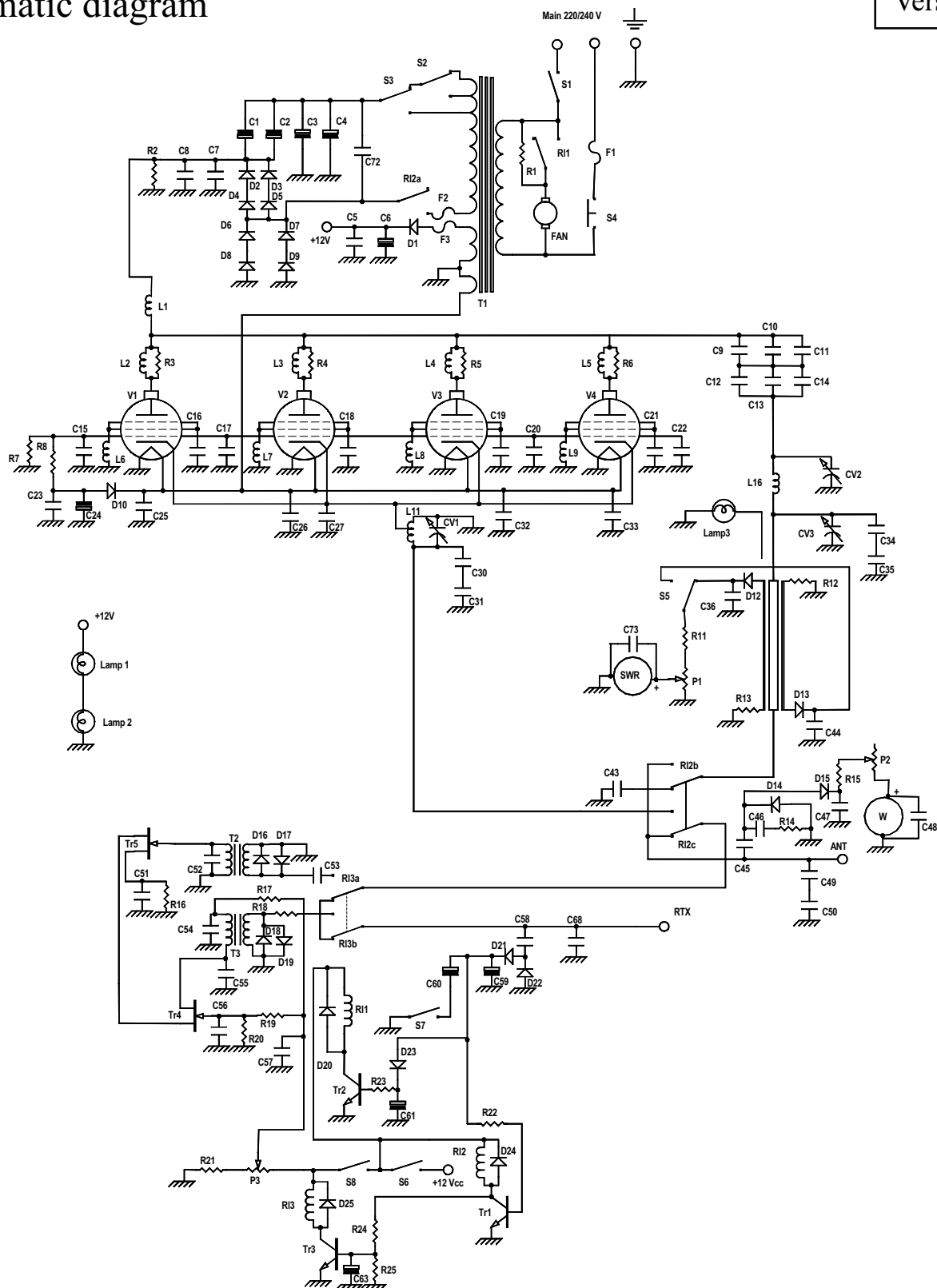
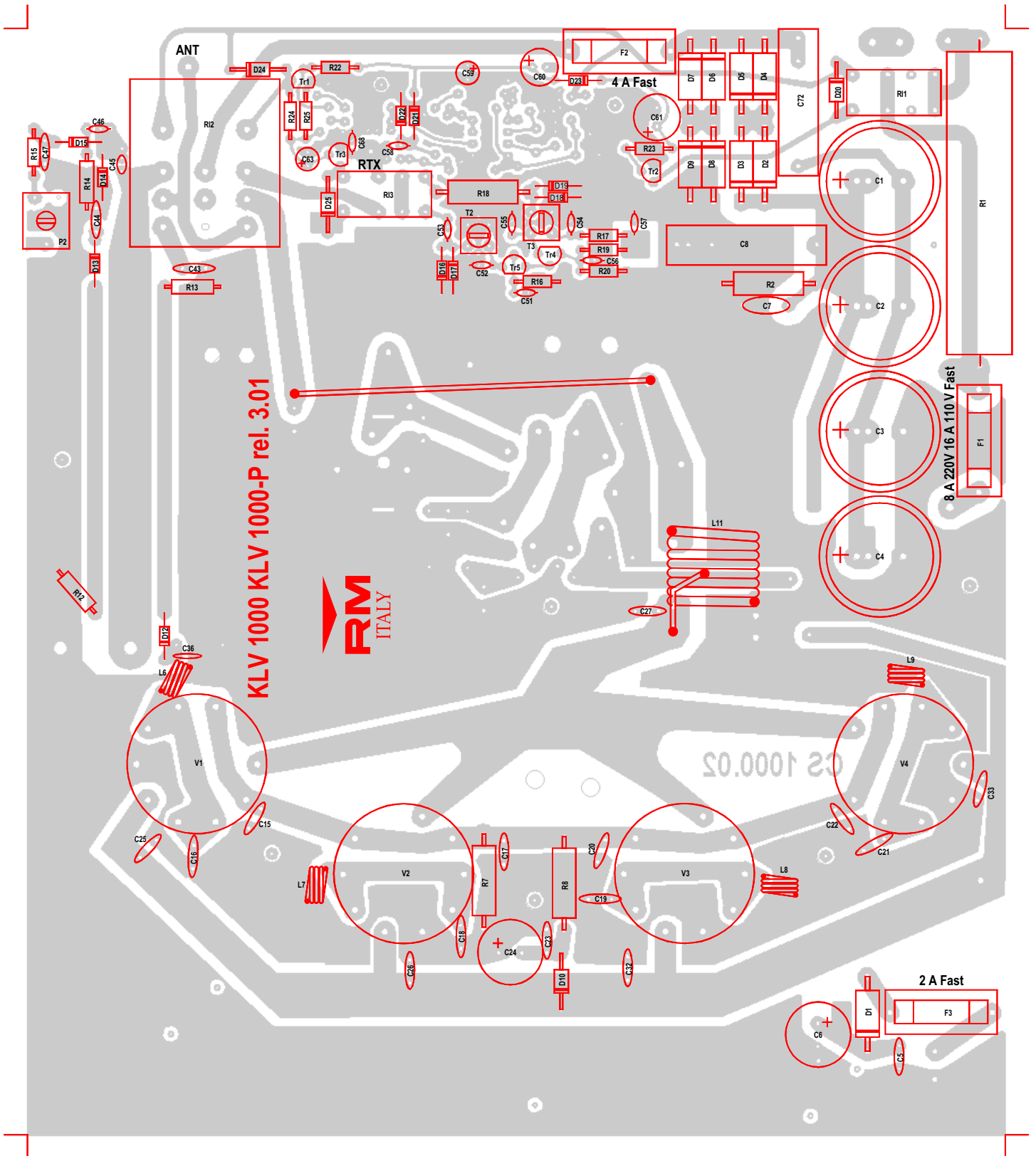


Mod. KLV 1000 P linear amplifier

Schematic diagram

Version 3.01





List of components

C ₁	= 100 µF	450 V		C ₅₇	= 100 nF	50V	
C ₂	= 100 µF	450 V		C ₅₈	= 2,2 pF	50 V	N750
C ₃	= 100 µF	450 V		C ₅₉	= 10 µF	16V	
C ₄	= 100 µF	450 V		C ₆₀	= 47 µF	16V	
C ₅	= 100 nF	50V		C ₆₁	= 330 µF	16V	
C ₆	= 2200 µF	16 V		C ₆₃	= 10 µF	16V	
C ₇	= 2,2 nF	1500V		C ₆₈	= 27 pF	50 V	N750
C ₈	= 22 nF	1000 V	polyester	C ₇₂	= 470 nF	630 V~	
C ₉	= 2,2 nF	1500 V		C ₇₃	= 100 nF	50V	
C ₁₀	= 2,2 nF	1500 V		Cv ₁	= Variable condensator	50 pF	
C ₁₁	= 2,2 nF	1500 V		Cv ₂	= Variable condensator	50 pF	
C ₁₂	= 2,2 nF	1500 V		Cv ₃	= Variable condensator	350 pF	
C ₁₃	= 2,2 nF	1500 V		R ₁	= 2,2 KΩ	15W	
C ₁₄	= 2,2 nF	1500 V		R ₂	= 470 KΩ	2W	
C ₁₅	= 100 nF	50V		R ₃	= 47 Ω	5W	
C ₁₆	= 150 pF	500 V	N750	R ₄	= 47 Ω	5W	
C ₁₇	= 100 nF	50V		R ₅	= 47 Ω	5W	
C ₁₈	= 150 pF	500 V	N750	R ₆	= 47 Ω	5W	
C ₁₉	= 150 pF	500 V	N750	R ₇	= 1,0 KΩ	2W	
C ₂₀	= 100 nF	50V		R ₈	= 100 Ω	2W	
C ₂₁	= 150 pF	500 V	N750	R ₁₁	= 47 KΩ	¼W	
C ₂₂	= 100 nF	50V		R ₁₂	= 100 Ω	½W	
C ₂₃	= 100 nF	50V		R ₁₃	= 100 Ω	½W	
C ₂₄	= 470 µF	50 V		R ₁₄	= 27 Ω	½W	
C ₂₅	= 100 nF	50 V		R ₁₅	= 47 KΩ	¼W	
C ₂₆	= 100 nF	50 V		R ₁₆	= 180 Ω	¼W	
C ₂₇	= 82 pF	500 V	N750	R ₁₇	= 470 Ω	¼W	
C ₃₀	= 100 pF	500 V	N750	R ₁₈	= 15 Ω	2W	
C ₃₁	= 100 pF	500 V	N750	R ₁₉	= 56 KΩ	¼W	
C ₃₂	= 100 nF	50 V		R ₂₀	= 22 KΩ	¼W	
C ₃₃	= 100 nF	50 V		R ₂₁	= 4,7 KΩ	¼W	
C ₃₄	= 220 pF	500 V	N750	R ₂₂	= 2,2 KΩ	¼W	
C ₃₅	= 220 pF	500 V	N750	R ₂₃	= 2,2 KΩ	¼W	
C ₃₆	= 100 nF	50 V		R ₂₄	= 12 KΩ	¼W	
C ₄₃	= 470 pF	50 V	N750	R ₂₅	= 680 Ω	¼W	
C ₄₄	= 100 nF	50 V		P ₁	= Potentiometer	4,7 KΩ	
C ₄₅	= 2,2 pF	50 V	N750	P ₂	= Trimmer	220 KΩ	
C ₄₆	= 33 pF	50 V	N750	P ₃	= Potentiometer	4,7 KΩ	
C ₄₇	= 100 nF	50 V		D ₁	= 1N5400		
C ₄₈	= 100 nF	50 V		D ₂ = D ₃ = D ₄ = D ₅	= BY 255		
C ₄₉	= 68 pF	500 V	N750	D ₆ = D ₇ = D ₈ = D ₉	= BY 255		
C ₅₀	= 68 pF	500 V	N750	D ₁₀ = D ₂₀ = D ₂₄ = D ₂₅	= 1N4004		
C ₅₁	= 10 nF	50V		D ₁₂ = D ₁₃ = D ₁₄ = D ₁₅ = D ₁₆	= 1N4148		
C ₅₂	= 27 pF	50 V	N750	D ₁₇ = D ₁₈ = D ₁₉ = D ₂₁ = D ₂₂ = D ₂₃	= 1N4148		
C ₅₃	= 10 nF	50V		Tr ₁ = Tr ₂ = Tr ₃	= BC 547		
C ₅₄	= 10 nF	50V		Tr ₄ = Tr ₅	= BF 245		
C ₅₅	= 33 pF	50 V	N750	V ₁ = V ₂ = V ₃ = V ₄	= EL 509 - EL 519		
C ₅₆	= 10 nF	50V					

L₁ = RF impedance block
L₂ = L₃ = L₄ = L₅ = 3 turns wound on resistor, wire ϕ 0.8 mm
L₆ = L₇ = L₈ = L₉ = 3 turns ϕ 6 mm wire ϕ 0.8 mm
L₁₁ = 9 turns ϕ 15 mm wire ϕ 2,0 mm tap 4^a turn
L₁₆ = 3 turns ϕ 34 mm wire ϕ 3,0 mm
Rl₁ = Rl₃ = Relè 12 V 3022
Rl₂ = Relè 12 V 6043
F₁ = 8 A
F₂ = 4 A
F₃ = 2 A
Lamp₁ = Lamp₂ = Meters lamp
Lamp₃ = 24 V
S₁ = Switch (ON - OFF)
S₂ = Switch (HI1 - HI2)
S₃ = Switch (LOW - HI)
S₄ = Protection Switch
S₅ = Switch (DIR - CAL)
S₆ = Switch 3A (St.By - ON)
S₇ = Switch 3A (AM - SSB)
S₈ = Switch 3A (Pre ON - OFF)
T₁ = Transformator IN 220/240 V
 OUT 0-200-250-300V 0 - 12 V 0 - 6 V
T₂ = T₃ = Transformers 30 MHz
Fan = Fan 220 Vac