



RM

Costruzioni Elettroniche

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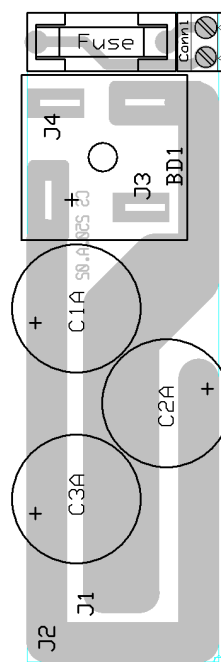
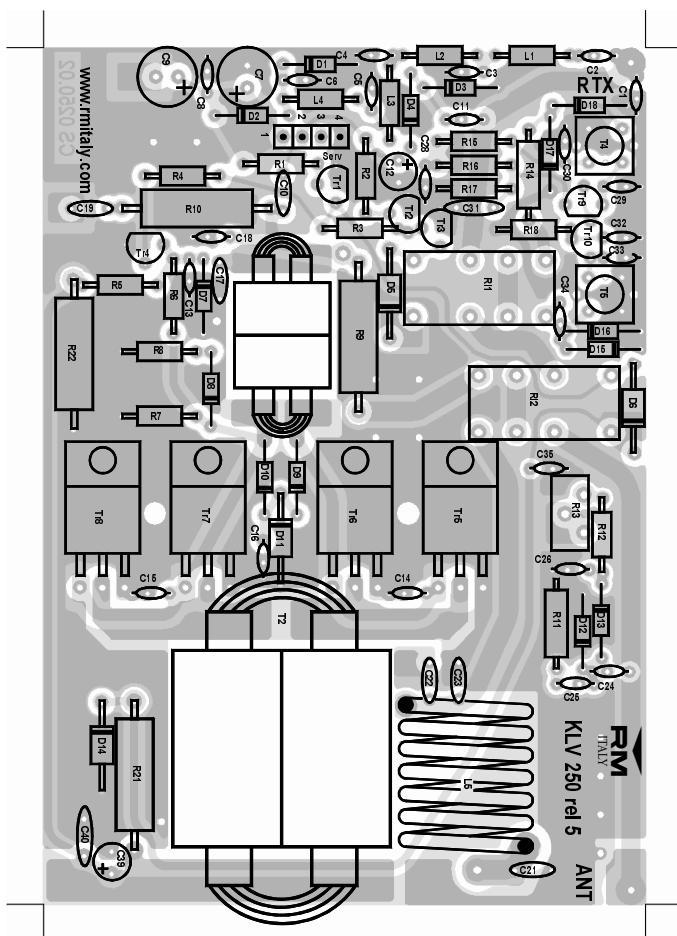
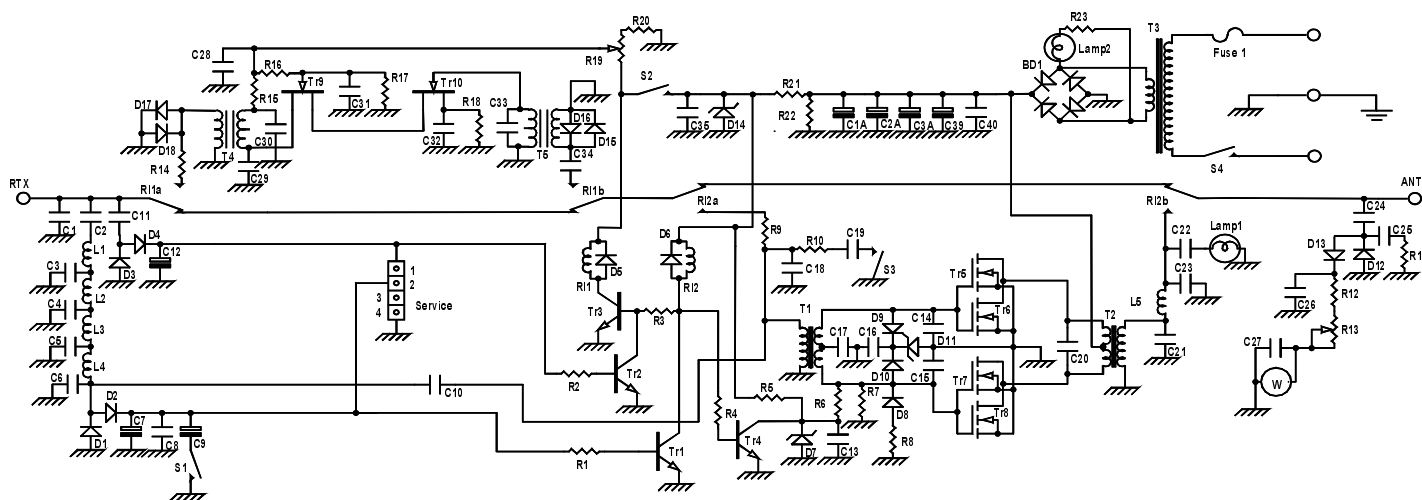
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KL 250 linear amplifier

Schematic diagram

Version 5.00



List of components

C ₁ =				R ₉ = 10 Ω	2W
C ₂ = 3,3 pF	50 V	N750		R ₁₀ = 47 Ω	2W
C ₃ = 100 pF	50 V	N750		R ₁₁ = 27 Ω	½W
C ₄ = 100 pF	50 V	N750		R ₁₂ = 47 KΩ	¼W
C ₅ = 100 pF	50 V	N750		R ₁₃ = Trimmer	220 KΩ
C ₆ =				R ₁₄ = 18 Ω	½W
C ₇ = 2,2 μF	16 V			R ₁₅ = 470 Ω	¼W
C ₈ = 10 nF	50 V			R ₁₆ = 56 KΩ	¼W
C ₉ = 33 μF	16 V			R ₁₇ = 22 KΩ	¼W
C ₁₀ = 5,6 pF	50 V	N750		R ₁₈ = 180 Ω	¼W
C ₁₁ = 8,2 pF	50 V	N750		R ₁₉ = Potenziometro	4,7 KΩ
C ₁₂ = 10 μF	16 V			R ₂₀ = 4,7 KΩ	¼W
C ₁₃ = 10 nF	50 V			R ₂₁ = 47 Ω	2W
C ₁₄ = 150 pF	50 V	N750		R ₂₂ = 330 Ω	2W
C ₁₅ = 150 pF	50 V	N750		R ₂₂ = 330 Ω	2W
C ₁₆ = 10 nF	50 V			D ₁ = D ₂ = D ₃ = D ₄ = D ₈ = D ₉ = D ₁₀	= 1N4148
C ₁₇ =				D ₁₂ = D ₁₃ = D ₁₅ = D ₁₆ = D ₁₇ = D ₁₈	= 1N4148
C ₁₈ =				D ₅ = D ₆	= 1N4004
C ₁₉ = 82 pF	50 V	N750		D ₅ = Zener	7,5 V ½W
C ₂₀ = 56 pF	500 V	N750		D ₁₁ = Zener	20 V 1W
C ₂₁ = 82 pF	500 V	N750		D ₁₄ = Zener	12 V 1W
C ₂₂ = 3,9 pF	50 V	N750		BD1 = Bridge	60 V 25 A
C ₂₃ = 47 pF	500 V	N750		Tr ₁ = Tr ₂ = Tr ₃ = Tr ₄	= BC 547
C ₂₄ = 2,2 pF	50 V	N750		Tr ₅ = Tr ₆ = Tr ₇ = Tr ₈	= MOS RM3
C ₂₅ = 33 pF	50 V	N750		Tr ₉ = Tr ₁₀	= BF 245
C ₂₆ = 100 nF	50 V			RL ₁ = RL ₂ = Relè	12 V 3022
C ₂₇ = 100 nF	50 V			Fuse	= 2A
C ₂₈ = 10 nF	50 V			L ₁ = 2,2 μH	
C ₂₉ = 33 pF	50 V	N750		L ₂ = 2,2 μH	
C ₃₀ = 10 nF	50 V			L ₃ = 2,2 μH	
C ₃₁ = 10 nF	50 V			L ₄ = 2,2 μH	
C ₃₂ = 10 nF	50 V			L ₅ = 6 turns φ 15 mm wire φ 1,5 mm	
C ₃₃ = 27 pF	50 V	N750		Lamp ₁	= 24 V
C ₃₄ = 10 nF	50 V			Lamp ₂	= Meter lamp
C ₃₅ = 10 nF	50 V			S ₁ = Switch	3A (AM SSB)
C ₃₉ = 33 μF	35 V			S ₂ = Switch	3A (Pre ON)
C ₄₀ = 100 nF	50 V			S ₃ = Switch	3A (HI LOW)
C _{1A} = 4700 μF	35 V			S ₄ = Switch	3A (ON OFF)
C _{2A} = 4700 μF	35 V			T ₁ = Input transformer	
C _{3A} = 4700 μF	35 V			T ₂ = Output transformer	
R ₁ = 2,2 KΩ	¼W			T ₃ = Transformer	IN 220V OUT 14V
R ₂ = 2,2 KΩ	¼W			T ₄ = T ₅ = Transformer	30 MHz
R ₃ = 10 KΩ	¼W				
R ₄ = 10 KΩ	¼W				
R ₅ = 1,0 KΩ	¼W				
R ₆ = 10 KΩ	¼W				
R ₇ = 3,9 KΩ	¼W				
R ₈ = 1,0 KΩ	¼W				