



RM

Costruzioni Elettroniche

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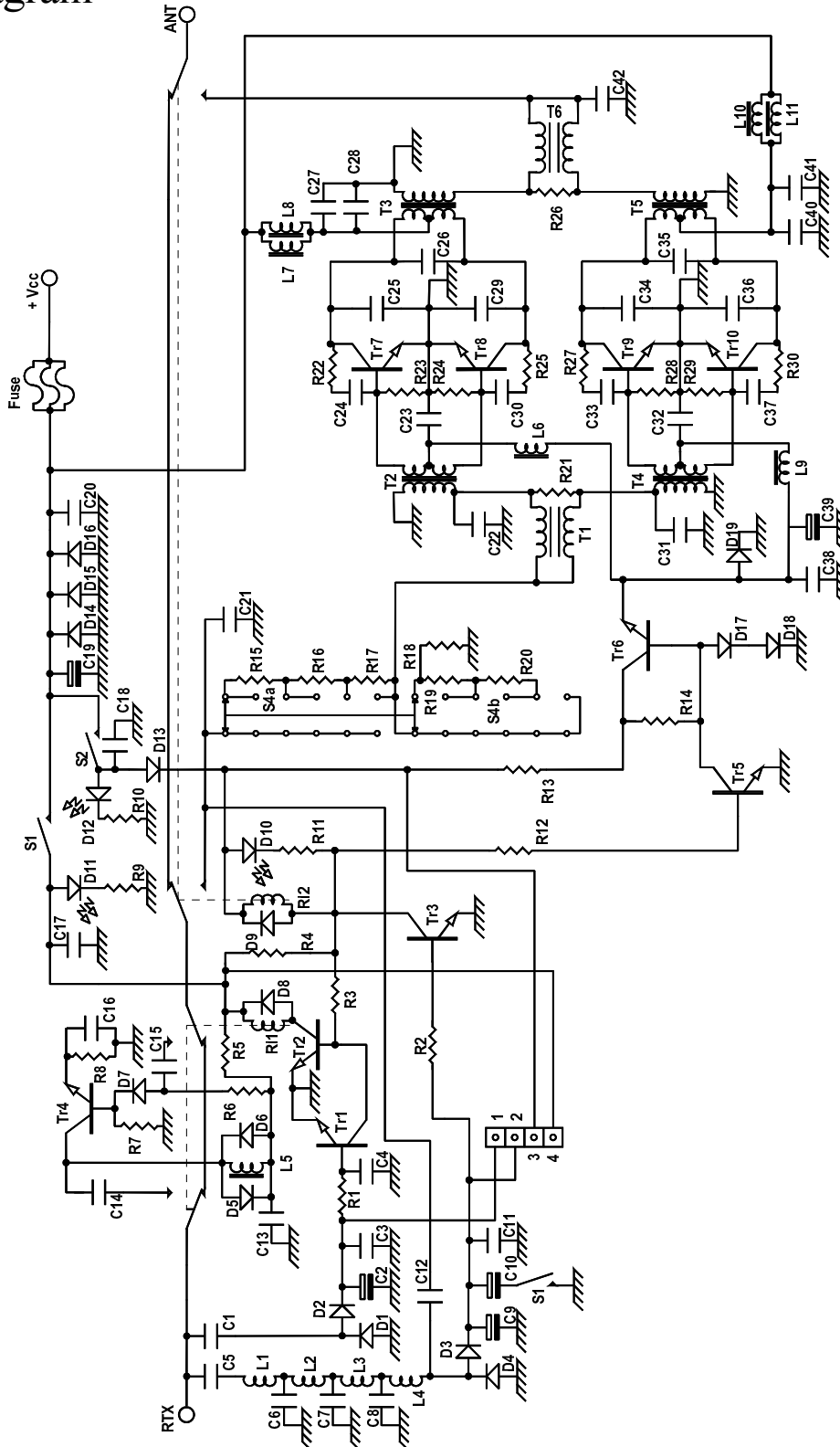
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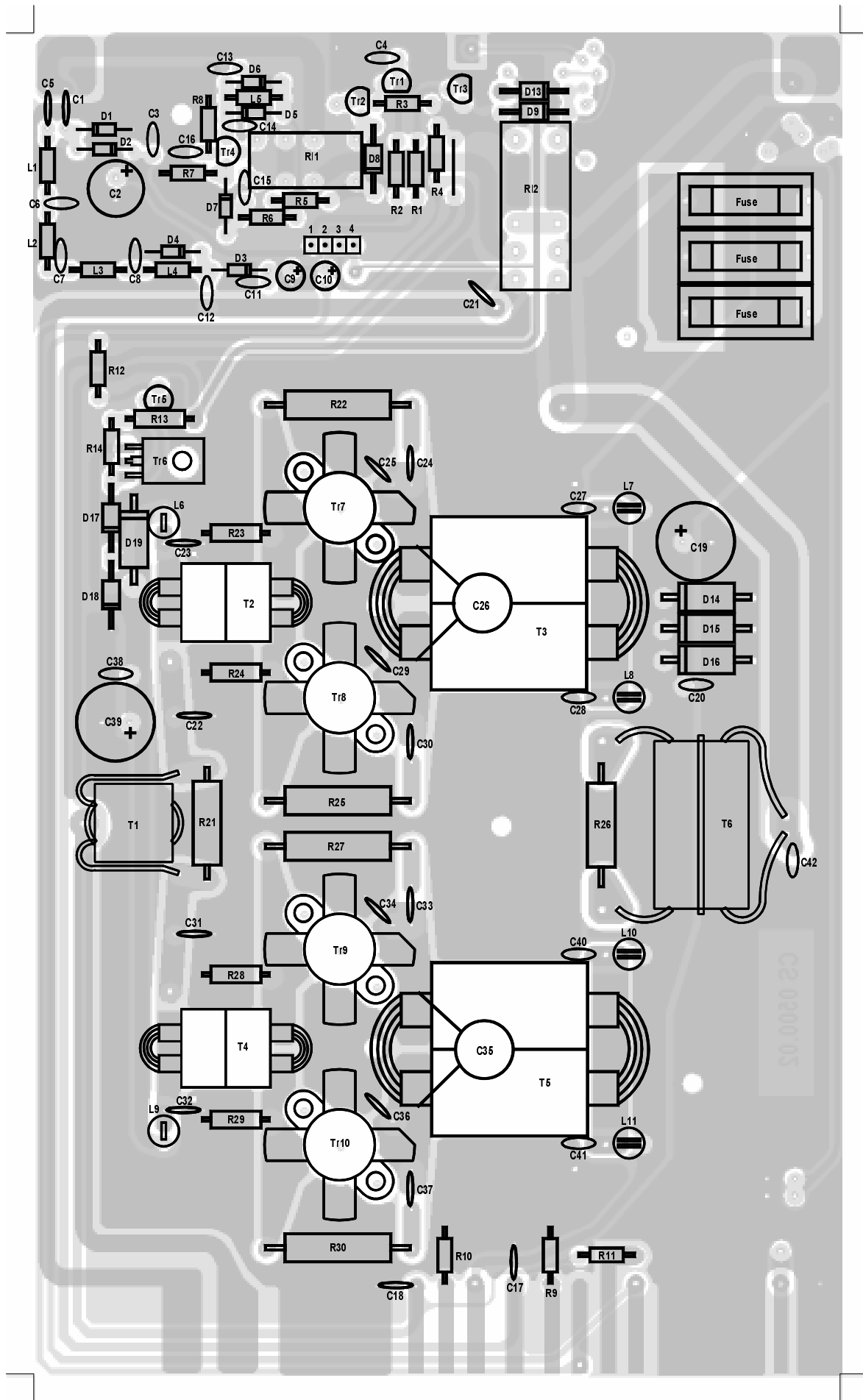
<http://www.rmitaly.com>

Mod. KL 500 linear amplifier

Schematic diagram

Version 3.00





List of components

C ₁	= 3,3 pF	50 V	N750
C ₂	= 10 μF	16 V	
C ₃	= 10 nF	50 V	
C ₄	= 10 nF	50 V	
C ₅	= 3,3 pF	50 V	N750
C ₆	= 100 pF	50 V	N750
C ₇	= 100 pF	50 V	N750
C ₈	= 82 pF	50 V	N750
C ₉	= 2,2 μF	16 V	
C ₁₀	= 47 μF	16 V	
C ₁₁	= 10 nF	50 V	
C ₁₂	= 5,6 pF	50 V	N750
C ₁₃	= 10 nF	50 V	
C ₁₄	= 150 pF	50 V	N750
C ₁₅	= 56 pF	50 V	N750
C ₁₆	= 470 pF	50 V	N750
C ₁₇	= 10 nF	50 V	
C ₁₈	= 10 nF	50 V	
C ₁₉	= 470 μF	16 V	
C ₂₀	= 100 nF	50 V	
C ₂₁	= 33 pF	50 V	N750
C ₂₂	= 150 pF	50 V	N750
C ₂₃	= 10 nF	50 V	
C ₂₄	= 47 nF	50 V	
C ₂₅	= 180 pF	500 V	N750
C ₂₆	= 150 + 270 pF	500 V	N750
C ₂₇	= 100 nF	50 V	
C ₂₈	= 100 nF	50 V	
C ₂₉	= 180 pF	500 V	N750
C ₃₀	= 47 nF	50 V	
C ₃₁	= 150 pF	50 V	N750
C ₃₂	= 10 nF	50 V	
C ₃₃	= 47 nF	50 V	
C ₃₄	= 180 pF	500 V	N750
C ₃₅	= 150 + 270 pF	500 V	N750
C ₃₆	= 180 pF	500 V	N750
C ₃₇	= 47 nF	50 V	
C ₃₈	= 10 nF	50 V	
C ₃₉	= 470 μF	16 V	
C ₄₀	= 100 nF	50 V	
C ₄₁	= 100 nF	50 V	
C ₄₂	= 68 pF	500 V	N750
R ₁	= 2,2 KΩ	¼W	
R ₂	= 2,2 KΩ	¼W	
R ₃	= 12 KΩ	¼W	
R ₄	= 12 KΩ	¼W	
R ₅	= 100 Ω	¼W	
R ₆	= 12 KΩ	¼W	

R ₇	= 2,2 KΩ	¼W
R ₈	= 100 Ω	¼W
R ₉	= 1,0 KΩ	¼W
R ₁₀	= 1,0 KΩ	¼W
R ₁₁	= 1,0 KΩ	¼W
R ₁₂	= 12 KΩ	¼W
R ₁₃	= 1,0 Ω	½W
R ₁₄	= 680 Ω	¼W
R ₁₅	= 10 Ω	2W
R ₁₆	= 10 Ω	2W
R ₁₇	= 10 Ω	2W
R ₁₈	= 27 Ω	2W
R ₁₉	= 47 Ω	2W
R ₂₀	= 100 Ω	2W
R ₂₁	= 100 Ω	2W
R ₂₂	= 68 Ω	2W
R ₂₃	= 10 Ω	½W
R ₂₄	= 10 Ω	½W
R ₂₅	= 68 Ω	2W
R ₂₆	= 100 Ω	2W
R ₂₇	= 68 Ω	2W
R ₂₈	= 10 Ω	½W
R ₂₉	= 10 Ω	½W
R ₃₀	= 68 Ω	2W
D ₁ = D ₂ = D ₃ = D ₄ = D ₅ = D ₆ = D ₇	= 1N4148	
D ₈ = D ₉ = D ₁₃ = D ₁₇ = D ₁₈	= 1N4004	
D ₁₄ = D ₁₅ = D ₁₆ = D ₁₉	= 1N5400	
D ₁₀	= Led red	
D ₁₁	= Led yellow	
D ₁₂	= Led green	
Tr ₁ = Tr ₂ = Tr ₅	= BC 547	
Tr ₃	= BC 337	
Tr ₄	= BF 199	
Tr ₆	= BD 179	
Tr ₇ = Tr ₈ = Tr ₉ = Tr ₁₀	= MRF 455	
L ₁ = L ₂ = L ₃ = L ₄	= 2,2 μH	
L ₅	= 10 μH	
L ₆ = L ₉	= VK 200 1 wire	
L ₇ = L ₈ = L ₁₀ = L ₁₁	= VK 200 2 wires	
Rl ₁	= Relè 12 V 3022	
Rl ₂	= Relè 12 V 4052	
Fuse	= 3x12 A	
S ₁	= Switch 3A (Pre ON - OFF)	
S ₂	= Switch 3A (ON - OFF)	
S ₃	= Switch 3A (AM - SSB)	
S ₄	= Switch 6 positions	
T ₁ = T ₂ = T ₄	= Input transformers	
T ₃ = T ₅ = T ₆	= Output transformers	