



RM

Costruzioni Elettroniche

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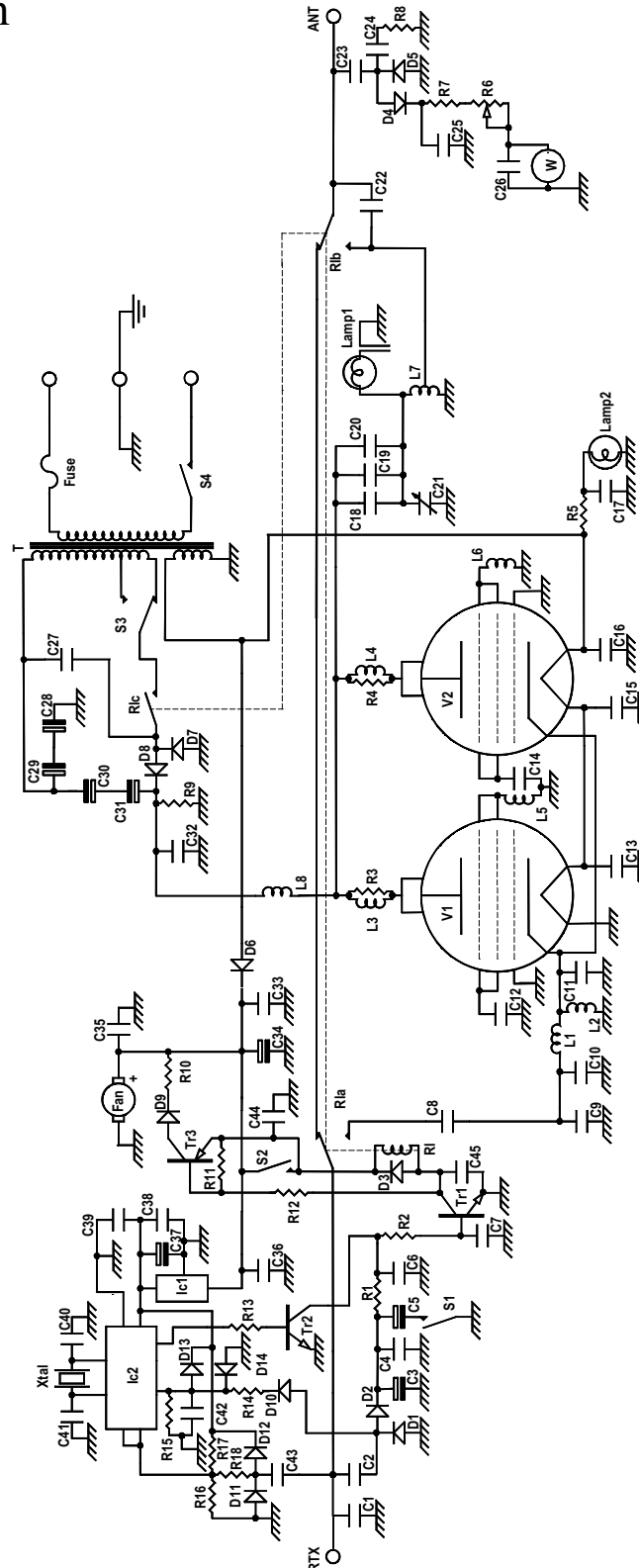
E-MAIL ufftec@rmitaly.com

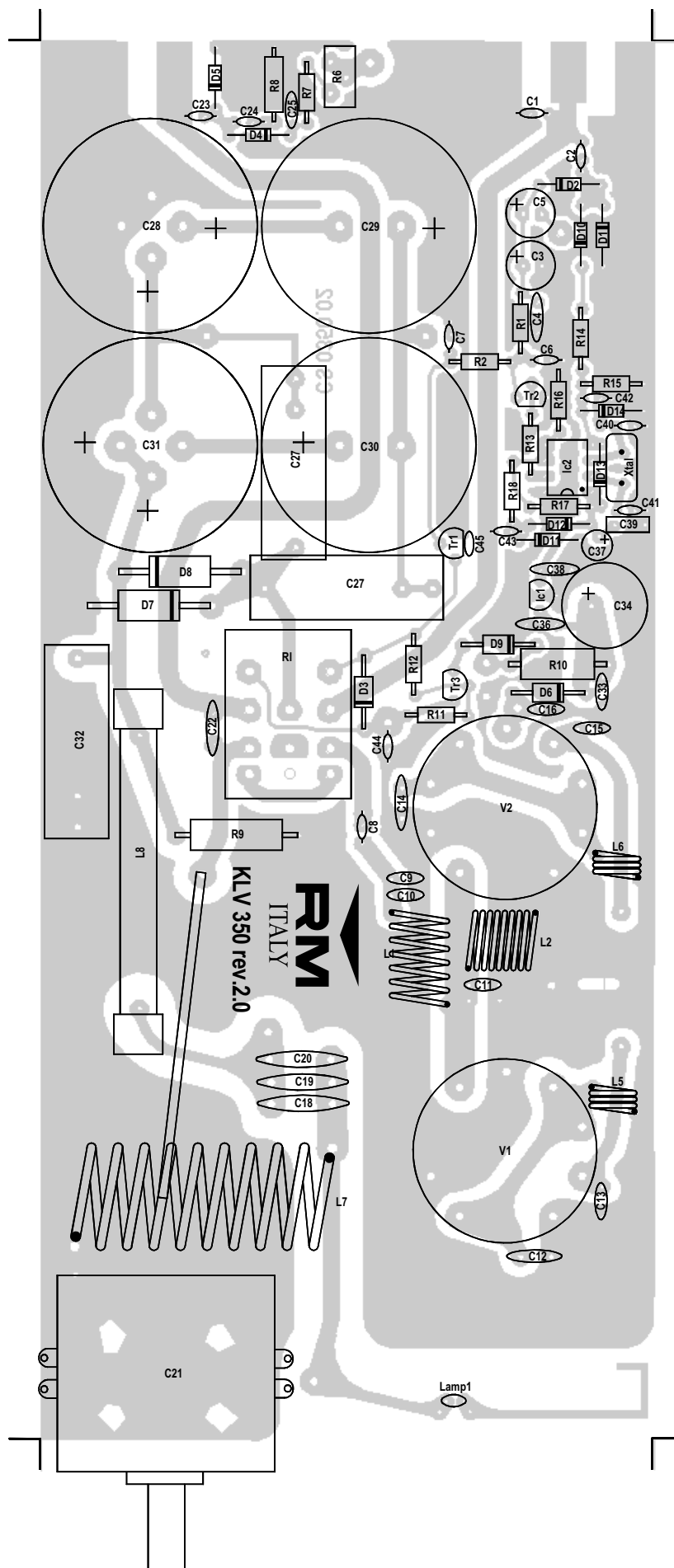
<http://www.rmitaly.com>

Mod. KLV 350 linear amplifier

Schematic diagram

Version 2.10





List of components

C ₁	= 33 pF	50 V	N750	R ₄	= 47 Ω	5W
C ₂	= 8,2 pF	50 V	N750	R ₅	= 47 Ω	2W
C ₃	= 4,7 μF	25 V		R ₆	= Trimmer	220 KΩ
C ₄	= 100 nF	50 V		R ₇	= 47 KΩ	¼W
C ₅	= 47 μF	25 V		R ₈	= 27 Ω	½W
C ₆	= 10 nF	50 V		R ₉	= 470 KΩ	2W
C ₇	= 10 nF	50 V		R ₁₀	= 47 Ω	1W
C ₈	= 10 nF	50 V		R ₁₁	= 1,0 KΩ	¼W
C ₉	= 120 pF	50 V	N750	R ₁₂	= 10 KΩ	¼W
C ₁₀	= 120 pF	50 V	N750	R ₁₃	= 1,0 KΩ	¼W
C ₁₁	= 100 pF	50 V	N750	R ₁₄	= 56 KΩ	¼W
C ₁₂	= 220 pF	500 V	N750	R ₁₅	= 1,0 MΩ	¼W
C ₁₃	= 100 nF	50 V		R ₁₆	= 10 KΩ	¼W
C ₁₄	= 220 pF	500 V	N750	R ₁₇	= 10 KΩ	¼W
C ₁₅	= 100 nF	50 V		R ₁₈	= 100Ω	¼W
C ₁₆	= 100 nF	50 V		D ₁ = D ₂ = D ₄ = D ₅	= 1N4148	
C ₁₇	= 100 nF	50 V		D ₃ = D ₆ = D ₉	= 1N4004	
C ₁₈	= 6,8 nF	1000 V		D ₇ = D ₈	= BY 255	
C ₁₉	= 6,8 nF	1000 V		D ₁₀ = D ₁₁ = D ₁₂ = D ₁₃ = D ₁₄	= 1N4148	
C ₂₀	= 6,8 nF	1000 V		Tr ₁ = Tr ₂	= BC 547	
C ₂₁	= Variable condensator		50 pF	Tr ₃	= BC 327	
C ₂₂	= 100 pF	500 V	N750	Xtal	= 4,0 MHz	
C ₂₃	= 2,2 pF	50 V	N750	Ic ₁	= LM 78L08	
C ₂₄	= 33 pF	50 V	N750	Ic ₂	= PIC 12C508A	
C ₂₅	= 100 nF	50 V		V ₁ = V ₂	= EL 509 - EL 519	
C ₂₆	= 100 nF	50 V		L ₁	= 6 turns φ 8 mm wire φ 0.8 mm	
C ₂₇	= 470 nF	630V~	polyester	L ₂	= 9 turns φ 8 mm wire φ 0.8 mm	
C ₂₈	= 100 μF	450 V		L ₃ = L ₄	= 3 turns wound on resistor, wire φ 0.8 mm	
C ₂₉	=			L ₅ = L ₆	= 3 turns φ 6 mm wire φ 0.8 mm	
C ₃₀	=			L ₇	= 9 turns φ 13 mm wire φ 1.5 mm tap 4 ^a turns	
C ₃₁	= 100 μF	450 V		L ₈	= RF impedance block	
C ₃₂	= 18 nF	1000V	polyester	Rl	= Relè 12 V 5513	
C ₃₃	= 100 nF	50 V		Fuse	= 6 A	
C ₃₄	= 470 μF	25 V		Lamp ₁	= 24 V	
C ₃₅	= 100 nF	50 V		Lamp ₂	= Meter lamp	
C ₃₆	= 10 nF	50 V		S ₁	= Switch 3A (AM - SSB)	
C ₃₇	= 22 μF	16 V		S ₂	= Switch 3A (ON - St. By)	
C ₃₈	= 10 nF	50 V		S ₃	= Switch 3A (HI - LOW)	
C ₃₉	= 100 nF	63 V	polyester	S ₄	= Switch 3A (ON - OFF)	
C ₄₀	= 27 pF	50 V	NP0	T	= Transformator IN 110 OUT 0-250-300V 0-12 V	
C ₄₁	= 27 pF	50 V	NP0	Fan	= Fan 12 V	
C ₄₂	= 10 nF	50 V				
C ₄₃	= 3,3 pF	50 V	NP0			
C ₄₄	= 100 nF	50 V				
C ₄₅	= 100 nF	50 V				
R ₁	= 1,0 KΩ	¼W				
R ₂	= 1,0 KΩ	¼W				
R ₃	= 47 Ω	5W				