RM Costruzioni Elettroniche
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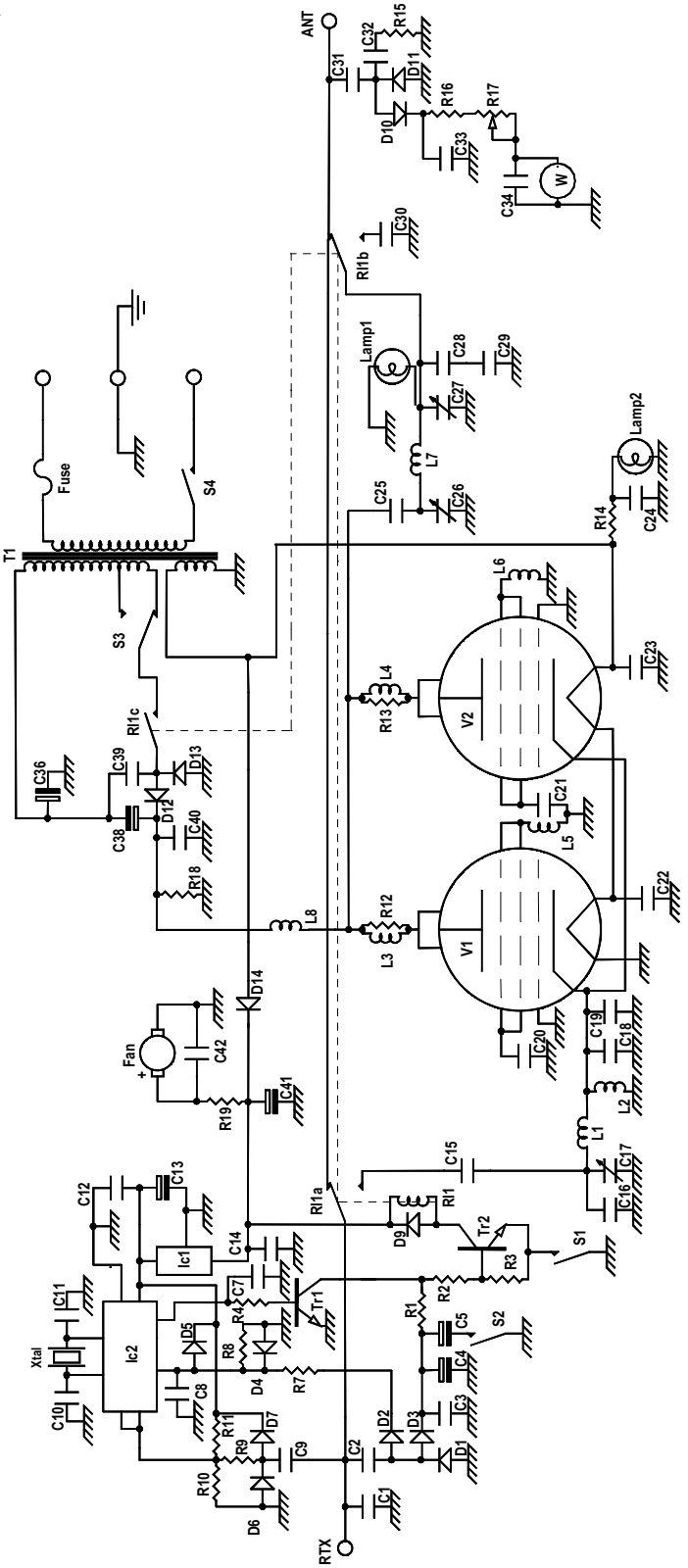
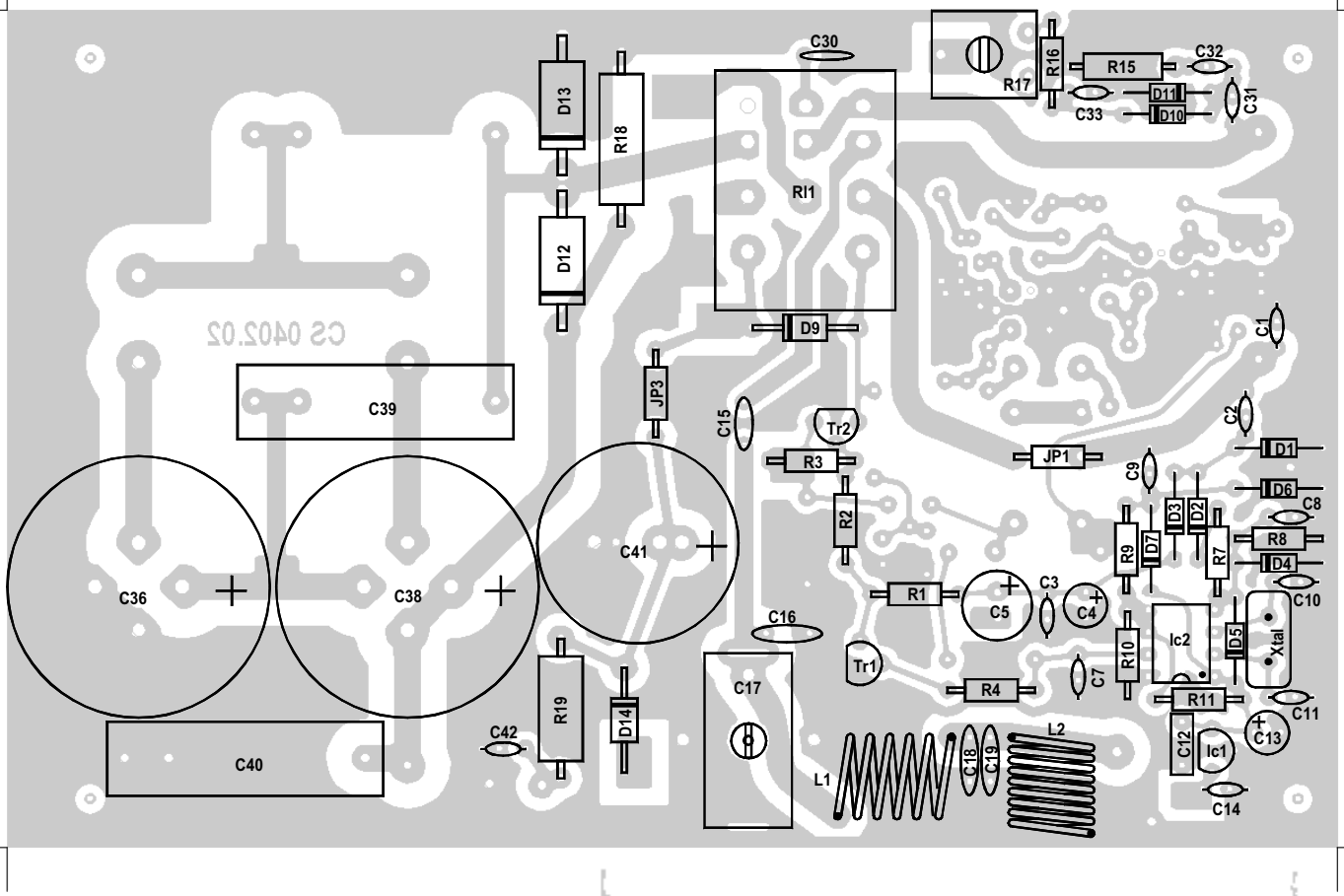
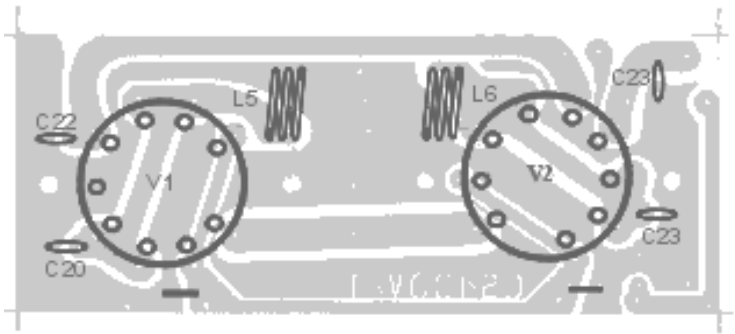
Mod. KLV 400 linear amplifier

Schematic diagram

Version 4.10







List of components

C 1	= 27 pF	50 V	NP0
C 2	= 8,2 pF	50 V	NP0
C 3	= 100 nF	50 V	
C 4	= 10 µF	16 V	
C 5	= 47 µF	16 V	
C 7	= 10 nF	50 V	
C 8	= 10 nF	50 V	
C 9	= 3,3 pF	50 V	NP0
C 10	= 27 pF	50 V	NP0
C 11	= 27 pF	50 V	NP0
C 12	= 100 nF	63 V	Polyester
C 13	= 22 µF	16 V	
C 14	= 10 nF	50 V	
C 15	= 10 nF	50 V	
C 16	= 120 pF	50 V	N750
C 17	= Trimmer 20-80 pF		
C 18	= 150 pF	50 V	N750
C 19	= 270 pF	50 V	N750
C 20	= 270 pF	500 V	N750
C 21	= 270 pF	500 V	N750
C 22	= 100 nF	50 V	
C 23	= 100 nF	50 V	
C 24	= 100 nF	50 V	
C 25	= 3 x 6,8 nF	1000 V	
C 26	= Variable capacitor		50 pF
C 27	= Variable capacitor		350 pF
C 28	= 220 pF	50 V	N750
C 29	= 220 pF	50 V	N750
C 30	= 470 pF	50 V	N750
C 31	= 3,3 pF	50 V	N750
C 32	= 33 pF	50 V	N750
C 33	= 100 nF	50 V	

C 34 = 100 nF 63 V Polyester
C 36 = 100 µF 450 V
C 38 = 100 µF 450 V
C 39 = 470 nF 630 V~
C 40 = 22 nF 1000 V
C 41 = 470 µF 25 V
C 42 = 100 nF 50 V
R 1 = 1,0 KΩ ¼W
R 2 = 1,0 KΩ ¼W
R 3 = 4,7 KΩ ¼W
R 4 = 1,0 KΩ ¼W
R 7 = 56 KΩ ¼W
R 8 = 1,0 MΩ ¼W
R 9 = 100 Ω ¼W
R 10 = 10 KΩ ¼W
R 11 = 10 KΩ ¼W
R 12 = 47 Ω 5W
R 13 = 47 Ω 5W
R 14 = 68 Ω 2W
R 15 = 27 Ω ½W
R 16 = 47 KΩ ¼W
R 17 = Trimmer 220 KΩ
R 18 = 470 KΩ 2W
R 19 = 47 Ω 1W
D 1 = 1N4148
D 2 = 1N4148
D 3 = 1N4148
D 4 = 1N4148
D 5 = 1N4148
D 6 = 1N4148
D 7 = 1N4148
D 9 = 1N4004
D 10 = 1N4148
D 11 = 1N4148
D 12 = BY 255
D 13 = BY 255
D 14 = 1N4004
Tr1 = BC 547
Tr2 = BC 547
Ic1 = LM 78L05
Ic2 = PIC 12C508A
Xtal = 4.0 MHz
V 1 = EL 509 - EL 519
V 2 = EL 509 - EL 519
L 1 = 7 turns ϕ 8 mm wire ϕ 0.8 mm
L 2 = 9 turns ϕ 8 mm wire ϕ 0.8 mm
L 3 = 3 turns wound on resistor, wire ϕ 0.8 mm
L 4 = 3 turns wound on resistor, wire ϕ 0.8 mm
L 5 = 3 turns ϕ 6 mm wire ϕ 0.8 mm
L 6 = 3 turns ϕ 6 mm wire ϕ 0.8 mm
L 7 = 7 turns ϕ 22 mm wire ϕ 2.0 mm
L 8 = RF impedance block
Rl1 = Relè 12 V 5513
Fuse = 6 A
Lamp 1 = Meter lamp
Lamp 2 = 24 V
S 1 = Switch 3A (St. By - ON)
S 2 = Switch 3A (AM - SSB)
S 3 = Switch 3A (HI - LOW)
S 4 = Switch 3A (ON - OFF)
T1 = Transformer IN 110 V OUT 0-250-300V 0-12 V
Fan = Fan 12 V