RM Costruzioni Elettroniche
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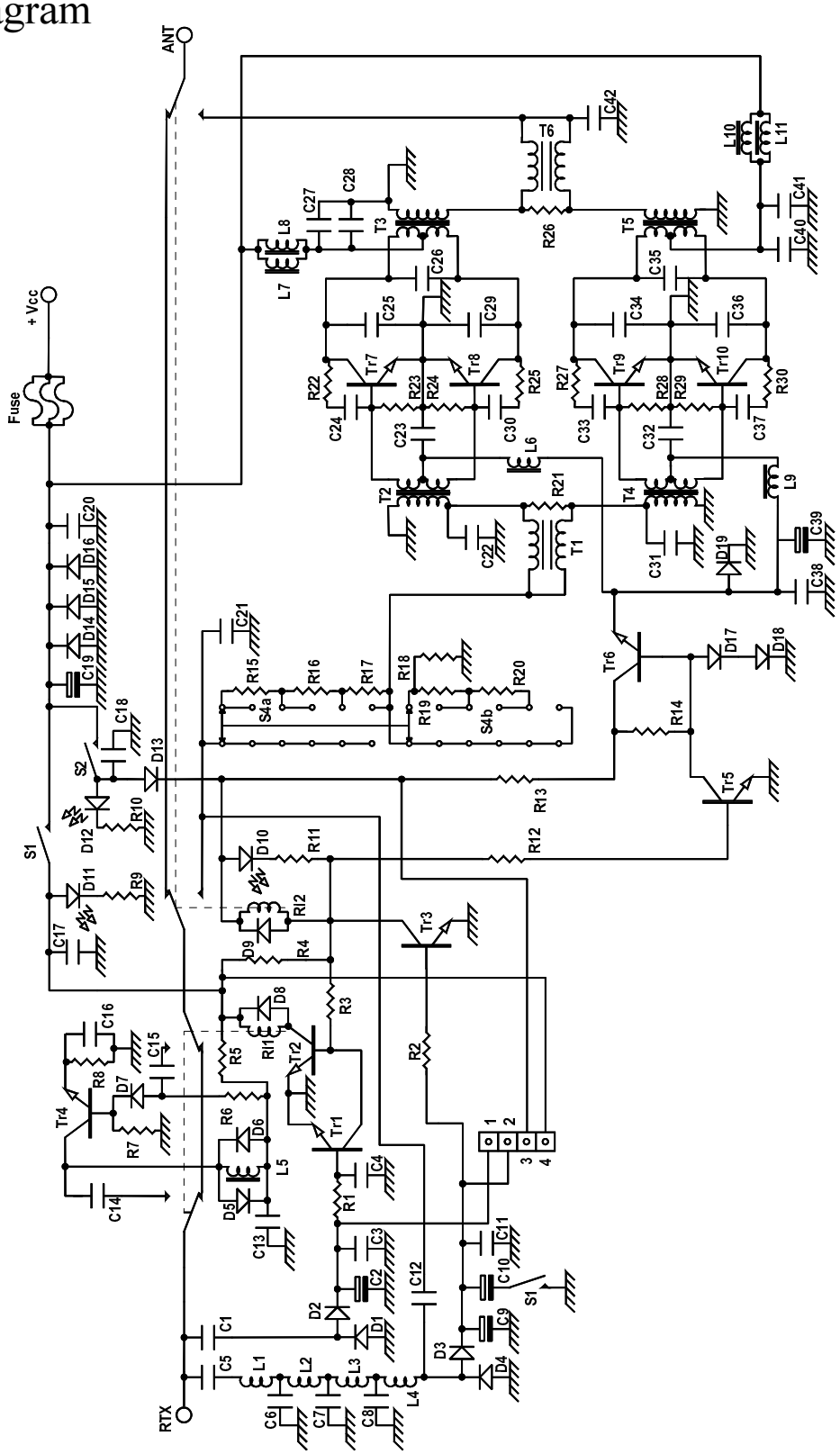
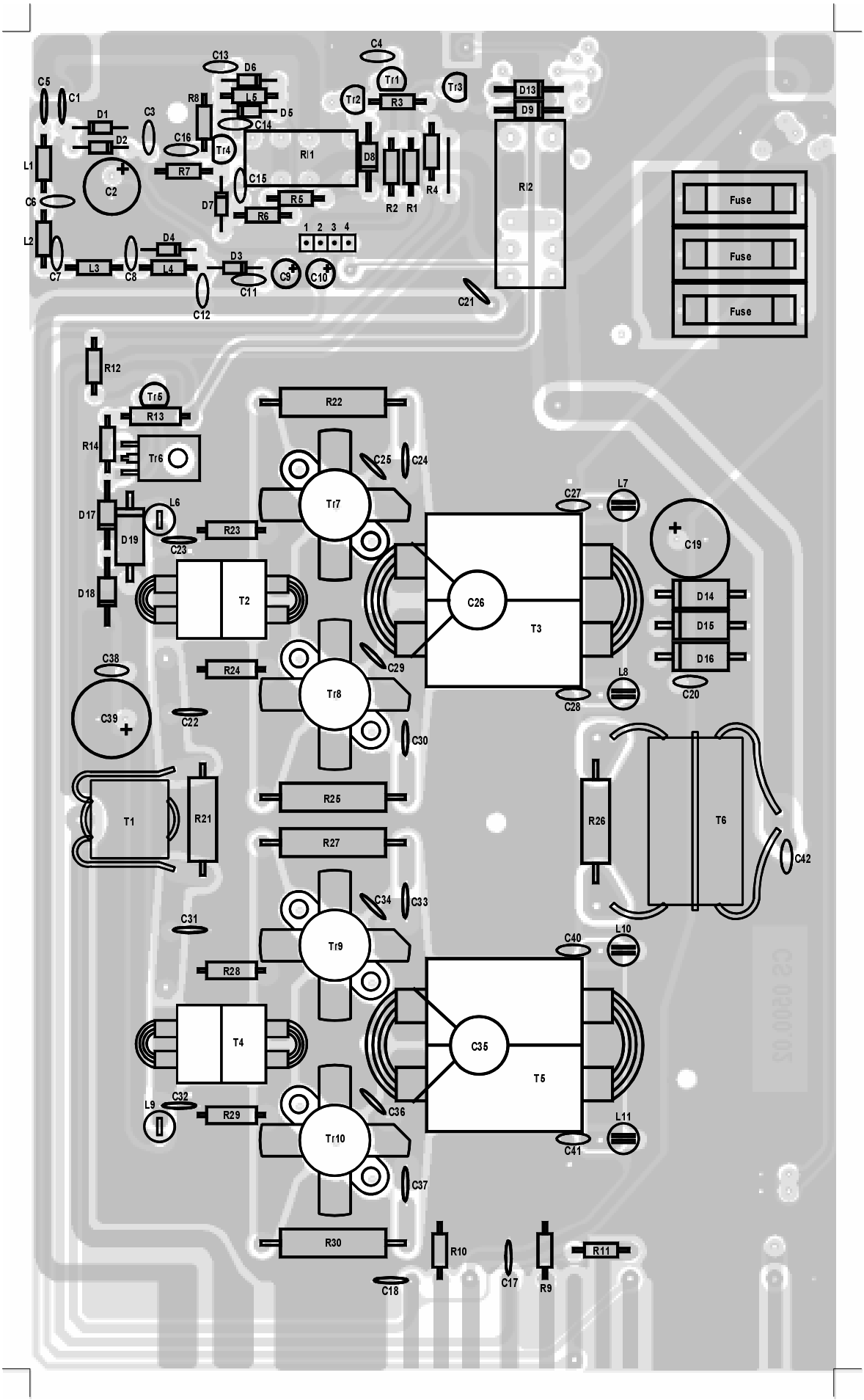
Mod. KL 500 linar amplifier

Schematic diagram

Version 3.00




C13
D6
C4
C5
C1
L5
Tr1
Tr2
Tr3
R8
D5
R3
D13
D1
C3
D9
C14
D2
C16
Tr4
RI1
D8
L1
R7
C15
RI2
C2
R5
R4
D7
R2
R1
R6
C6
1 2 3 4
L2
D4
D3
C7
L3
C8
L4
C9
C10
C11
C21
Fuse
Fuse
Fuse
C12
R12
R22
Tr5
R13
R14
Tr6
C25
C24
Tr7
C27
L7
L6
D17
R23
C19
D19
C23
T2
C26
D14
D18
T3
D15
D16
C38
R24
L8
Tr8
C20
C39
C22
C28
C29
C30
R25
T1
R21
R26
T6
R27
C42
C34
C33
C31
Tr9
C40
L10
R28
C35
T4
T5
L9
C32
R29
C36
L11
Tr10
C41
C37
R30
R10
C17
R11
C18
R9

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 transformators
T 3 = T 5 = T 6 = Output transformators