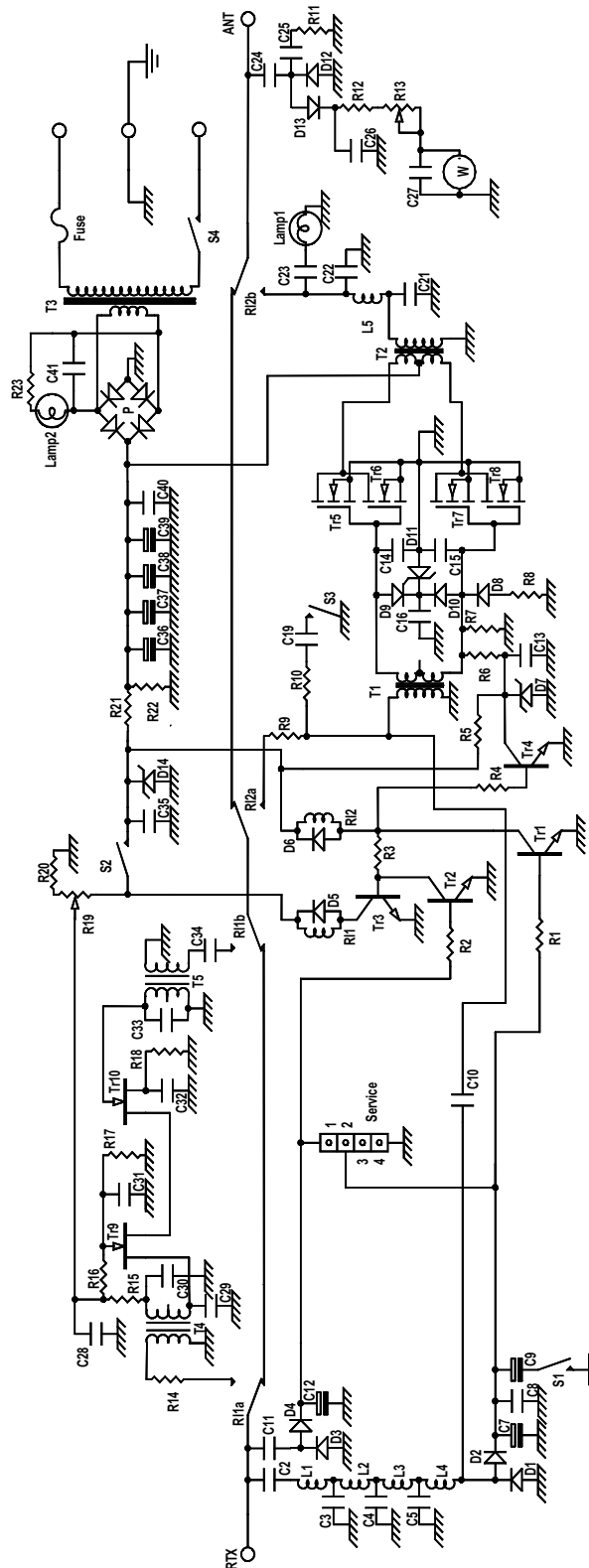
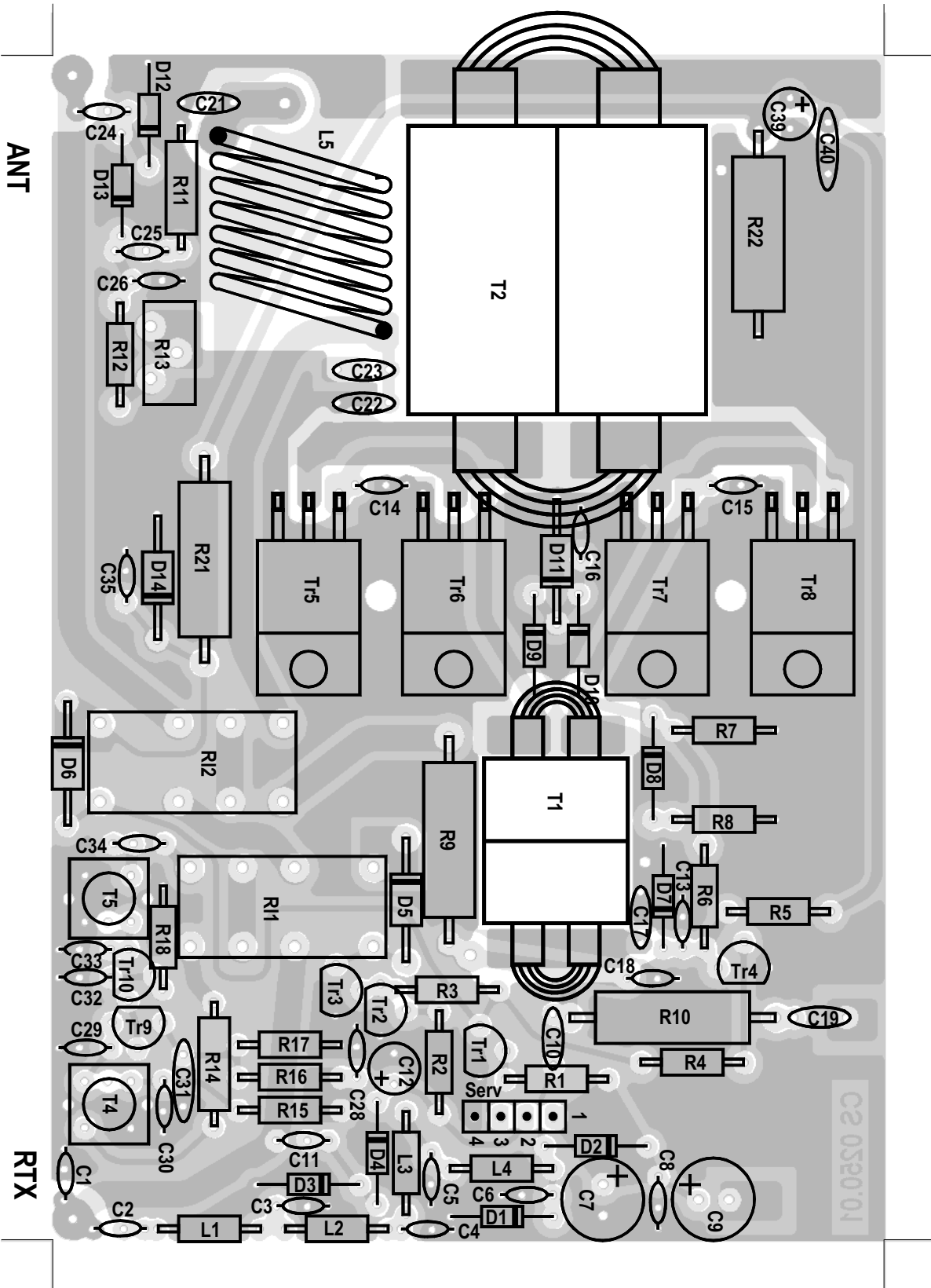


# KLV 250 linear amplifier

Schematic diagram

Version 4.10





## List of components

C <sub>1</sub> =			R <sub>8</sub> = 1,0 K $\Omega$ 1/4W
C <sub>2</sub> = 3,3 pF	50 V	N750	R <sub>9</sub> = 10 $\Omega$ 2W
C <sub>3</sub> = 100 pF	50 V	N750	R <sub>10</sub> = 47 $\Omega$ 2W
C <sub>4</sub> = 100 pF	50 V	N750	R <sub>11</sub> = 27 $\Omega$ 1/2W
C <sub>5</sub> = 100 pF	50 V	N750	R <sub>12</sub> = 47 K $\Omega$ 1/4W
C <sub>6</sub> =			R <sub>13</sub> = Trimmer 220 K $\Omega$
C <sub>7</sub> = 2,2 $\mu$ F	16 V		R <sub>14</sub> = 18 $\Omega$ 1/2W
C <sub>8</sub> = 10 nF	50 V		R <sub>15</sub> = 470 $\Omega$ 1/4W
C <sub>9</sub> = 33 $\mu$ F	16 V		R <sub>16</sub> = 56 K $\Omega$ 1/4W
C <sub>10</sub> = 5,6 pF	50 V	N750	R <sub>17</sub> = 22 K $\Omega$ 1/4W
C <sub>11</sub> = 3,3 pF	50 V	N750	R <sub>18</sub> = 180 $\Omega$ 1/4W
C <sub>12</sub> = 10 $\mu$ F	16 V		R <sub>19</sub> = Potenziometer 4,7 K $\Omega$
C <sub>13</sub> = 10 nF	50 V		R <sub>20</sub> = 4,7 K $\Omega$ 1/4W
C <sub>14</sub> = 150 pF	50 V	N750	R <sub>21</sub> = 47 $\Omega$ 2W
C <sub>15</sub> = 150 pF	50 V	N750	R <sub>22</sub> = 330 $\Omega$ 2W
C <sub>16</sub> = 10 nF	50 V		R <sub>23</sub> = 180 $\Omega$ 2W
C <sub>17</sub> =			D <sub>1</sub> = D <sub>2</sub> = D <sub>3</sub> = D <sub>4</sub> = D <sub>8</sub> = D <sub>9</sub> = D <sub>10</sub> = 1N4148
C <sub>18</sub> =			D <sub>12</sub> = D <sub>13</sub> = 1N4148
C <sub>19</sub> = 82 pF	50 V	N750	D <sub>5</sub> = D <sub>6</sub> = 1N4004
C <sub>20</sub> =			D <sub>7</sub> = Zener 7,5 V 1/2W
C <sub>21</sub> = 82 pF	500 V	N750	D <sub>11</sub> = Zener 20 V 1W
C <sub>22</sub> = 47 pF	500 V	N750	D <sub>14</sub> = Zener 12 V 1W
C <sub>23</sub> = 3,9 pF	50 V	N750	P = Diode Bridge 60 V 25 A
C <sub>24</sub> = 2,2 pF	50 V	N750	Tr <sub>1</sub> = Tr <sub>2</sub> = Tr <sub>3</sub> = Tr <sub>4</sub> = BC 547
C <sub>25</sub> = 33 pF	50 V	N750	Tr <sub>5</sub> = Tr <sub>6</sub> = Tr <sub>7</sub> = Tr <sub>8</sub> = MOS RM3
C <sub>26</sub> = 100 nF	50 V		Tr <sub>9</sub> = Tr <sub>10</sub> = BF 245
C <sub>27</sub> = 100 nF	50 V		RL <sub>1</sub> = RL <sub>2</sub> = Relè 12 V 3022
C <sub>28</sub> = 10 nF	50 V		Fuse = 4A
C <sub>29</sub> = 33 pF	50 V	N750	L <sub>1</sub> = 6 turns $\phi$ 15 mm wire $\phi$ 1,5 mm
C <sub>30</sub> = 10 nF	50 V		Lamp <sub>1</sub> = 24 V
C <sub>31</sub> = 10 nF	50 V		Lamp <sub>2</sub> = Meter lamp
C <sub>32</sub> = 10 nF	50 V		S <sub>1</sub> = Switch 3A (AM SSB)
C <sub>33</sub> = 27 pF	50 V	N750	S <sub>2</sub> = Switch 3A (Pre ON)
C <sub>34</sub> = 10 nF	50 V		S <sub>3</sub> = Switch 3A (HI LOW)
C <sub>35</sub> = 10 nF	50 V		S <sub>4</sub> = Switch 3A (ON OFF)
C <sub>36</sub> = 4700 $\mu$ F	25 V		T <sub>1</sub> = Input transformer
C <sub>37</sub> = 4700 $\mu$ F	25 V		T <sub>2</sub> = Output transformer
C <sub>38</sub> = 4700 $\mu$ F	25 V		T <sub>3</sub> = Transformer IN 110V OUT 14V
C <sub>39</sub> = 33 $\mu$ F	25 V		T <sub>4</sub> = T <sub>5</sub> = Transformer 30 MHz
C <sub>40</sub> = 100 nF	50 V		
C <sub>41</sub> = 470 nF	63 V~	Polyster	
R <sub>1</sub> = 2,2 K $\Omega$	1/4W		
R <sub>2</sub> = 2,2 K $\Omega$	1/4W		
R <sub>3</sub> = 10 K $\Omega$	1/4W		
R <sub>4</sub> = 10 K $\Omega$	1/4W		
R <sub>5</sub> = 1,0 K $\Omega$	1/4W		
R <sub>6</sub> = 10 K $\Omega$	1/4W		
R <sub>7</sub> = 3,9 K $\Omega$	1/4W		