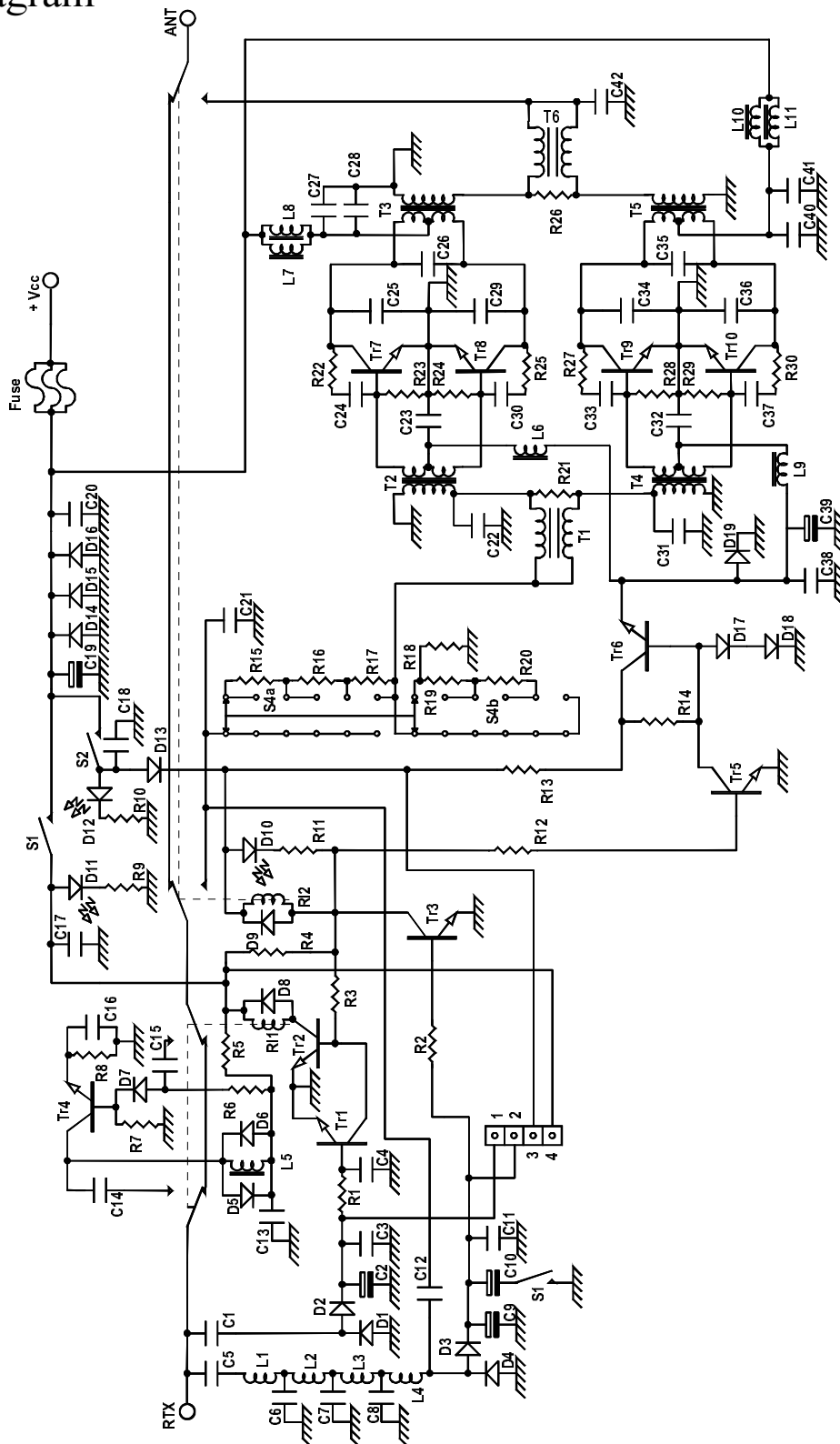
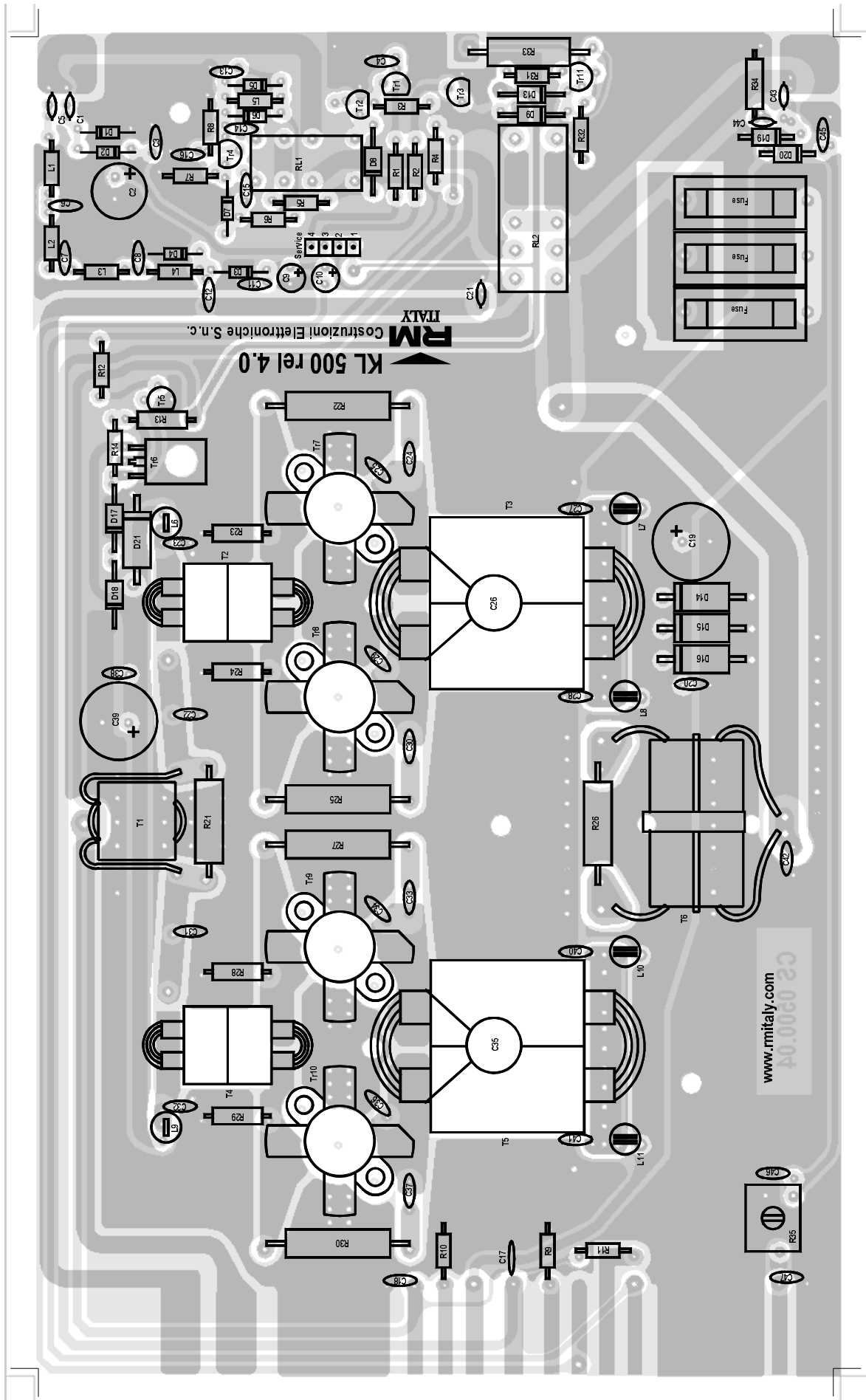


## Mod. KL 500 linear amplifier

Schematic diagram

Version 4.00





## List of components

C <sub>1</sub>	= 8,2 pF	50 V	N750
C <sub>2</sub>	= 10 μF	16 V	
C <sub>3</sub>	= 10 nF	50 V	
C <sub>4</sub>	= 10 nF	50 V	
C <sub>5</sub>	= 3,3 pF	50 V	N750
C <sub>6</sub>	= 100 pF	50 V	N750
C <sub>7</sub>	= 100 pF	50 V	N750
C <sub>8</sub>	= 82 pF	50 V	N750
C <sub>9</sub>	= 2,2 μF	16 V	
C <sub>10</sub>	= 47 μF	16 V	
C <sub>11</sub>	= 10 nF	50 V	
C <sub>12</sub>	= 5,6 pF	50 V	N750
C <sub>13</sub>	= 10 nF	50 V	
C <sub>14</sub>	= 150 pF	50 V	N750
C <sub>15</sub>	= 56 pF	50 V	N750
C <sub>16</sub>	= 470 pF	50 V	N750
C <sub>17</sub>	= 10 nF	50 V	
C <sub>18</sub>	= 10 nF	50 V	
C <sub>19</sub>	= 470 μF	16 V	
C <sub>20</sub>	= 100 nF	50 V	
C <sub>21</sub>	= 33 pF	50 V	N750
C <sub>22</sub>	= 150 pF	50 V	N750
C <sub>23</sub>	= 10 nF	50 V	
C <sub>24</sub>	= 47 nF	50 V	
C <sub>25</sub>	= 180 pF	500 V	N750
C <sub>26</sub>	= 220 + 270 pF	500 V	N750
C <sub>27</sub>	= 100 nF	50 V	
C <sub>28</sub>	= 100 nF	50 V	
C <sub>29</sub>	= 180 pF	500 V	N750
C <sub>30</sub>	= 47 nF	50 V	
C <sub>31</sub>	= 150 pF	50 V	N750
C <sub>32</sub>	= 10 nF	50 V	
C <sub>33</sub>	= 47 nF	50 V	
C <sub>34</sub>	= 180 pF	500 V	N750
C <sub>35</sub>	= 220 + 270 pF	500 V	N750
C <sub>36</sub>	= 180 pF	500 V	N750
C <sub>37</sub>	= 47 nF	50 V	
C <sub>38</sub>	= 10 nF	50 V	
C <sub>39</sub>	= 470 μF	16 V	
C <sub>40</sub>	= 100 nF	50 V	
C <sub>41</sub>	= 100 nF	50 V	
C <sub>42</sub>	= 68 pF	500 V	N750
R <sub>1</sub>	= 2,2 KΩ	¼W	
R <sub>2</sub>	= 2,2 KΩ	¼W	
R <sub>3</sub>	= 12 KΩ	¼W	
R <sub>4</sub>	= 12 KΩ	¼W	
R <sub>5</sub>	= 100 Ω	¼W	
R <sub>6</sub>	= 12 KΩ	¼W	

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