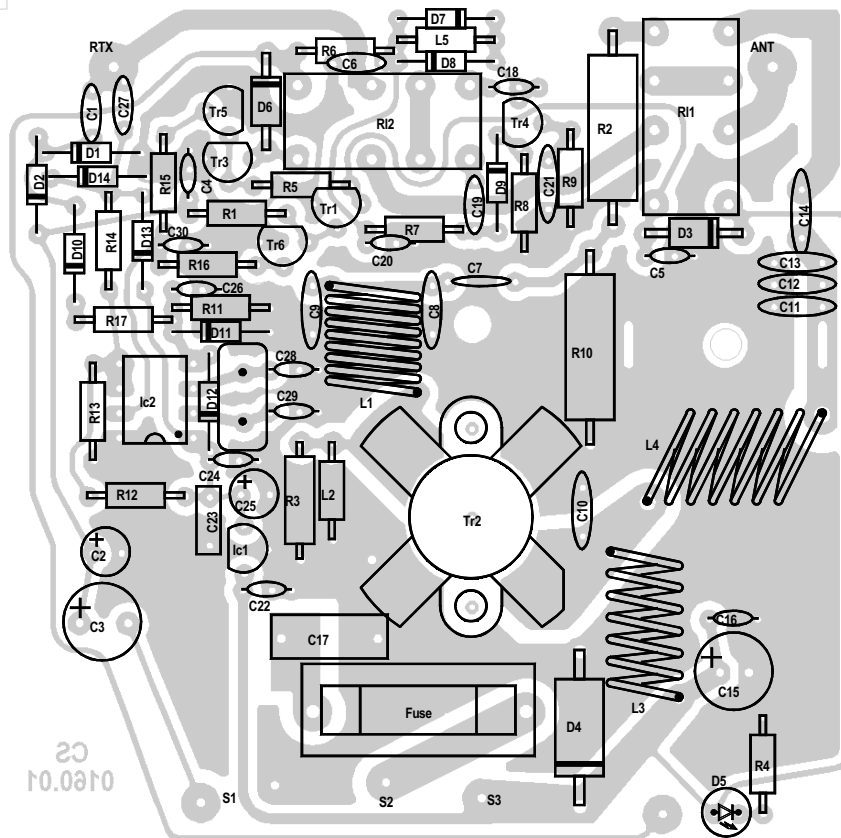
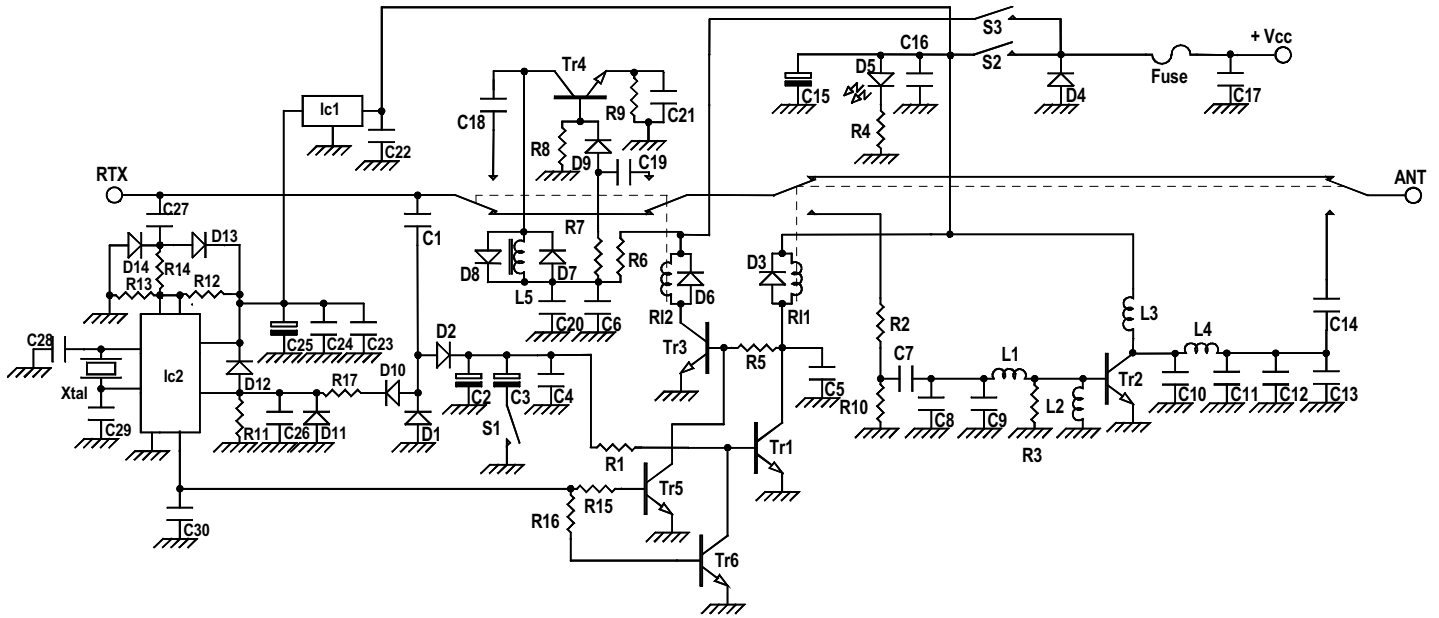


# Mod. KL 200/P linear amplifier

Schematic diagram

Version 3.10



**List of components**

|                 |          |       |           |                 |                                |
|-----------------|----------|-------|-----------|-----------------|--------------------------------|
| C <sub>1</sub>  | = 8,2 pF | 50 V  | N750      | D <sub>2</sub>  | = 1N4148                       |
| C <sub>2</sub>  | = 4,7 μF | 16 V  |           | D <sub>3</sub>  | = 1N4002                       |
| C <sub>3</sub>  | = 33 μF  | 16 V  |           | D <sub>4</sub>  | = 1N5400                       |
| C <sub>4</sub>  | = 100 nF | 50 V  |           | D <sub>5</sub>  | = Led                          |
| C <sub>5</sub>  | = 10 nF  | 50 V  |           | D <sub>6</sub>  | = 1N4002                       |
| C <sub>6</sub>  | = 10 nF  | 50 V  |           | D <sub>7</sub>  | = 1N4148                       |
| C <sub>7</sub>  | = 100 pF | 50 V  | N750      | D <sub>8</sub>  | = 1N4148                       |
| C <sub>8</sub>  | = 220 pF | 50 V  | N750      | D <sub>9</sub>  | = 1N4148                       |
| C <sub>9</sub>  | = 270 pF | 50 V  | N750      | D <sub>10</sub> | = 1N4148                       |
| C <sub>10</sub> | = 120 pF | 500 V | N750      | D <sub>11</sub> | = 1N4148                       |
| C <sub>11</sub> | = 220 pF | 500 V | N750      | D <sub>12</sub> | = 1N4148                       |
| C <sub>12</sub> | = 270 pF | 500 V | N750      | D <sub>13</sub> | = 1N4148                       |
| C <sub>13</sub> | = 120 pF | 500 V | N750      | D <sub>14</sub> | = 1N4148                       |
| C <sub>14</sub> | = 270 pF | 500 V | N750      | TR <sub>1</sub> | = BC 547                       |
| C <sub>15</sub> | = 47 μF  | 16 V  |           | TR <sub>2</sub> | = SD 1446                      |
| C <sub>16</sub> | = 100 nF | 50 V  |           | TR <sub>3</sub> | = BC 547                       |
| C <sub>17</sub> | = 470 nF | 100 V | Polyester | TR <sub>4</sub> | = BF 199                       |
| C <sub>18</sub> | = 150 pF | 50 V  | N750      | TR <sub>5</sub> | = BC 547                       |
| C <sub>19</sub> | = 56 pF  | 50 V  | N750      | TR <sub>6</sub> | = BC 547                       |
| C <sub>20</sub> | = 10 nF  | 50 V  |           | S <sub>1</sub>  | = Switch (AM - SSB)            |
| C <sub>21</sub> | = 470 pF | 50 V  | N750      | S <sub>2</sub>  | = Switch (Lin ON - OFF)        |
| C <sub>22</sub> | = 10 nF  | 50 V  |           | S <sub>3</sub>  | = Switch (Pre ON - OFF)        |
| C <sub>23</sub> | = 100 nF | 63 V  | Polyester | L <sub>1</sub>  | = 3 turns φ 8 mm wire φ 0,8 mm |
| C <sub>24</sub> | = 10 nF  | 50 V  |           | L <sub>2</sub>  | = 10 μH                        |
| C <sub>25</sub> | = 22 μF  | 16 V  |           | L <sub>3</sub>  | = 12 turns φ 6 mm wire φ 1 mm  |
| C <sub>26</sub> | = 10 nF  | 50 V  |           | L <sub>4</sub>  | = 3 turns φ 8 mm wire φ 1,2 mm |
| C <sub>27</sub> | = 3,3 pF | 50 V  | N750      | RI <sub>1</sub> | = Relè 12 V 3022               |
| C <sub>28</sub> | = 27 pF  | 50 V  | N750      | RI <sub>1</sub> | = Relè 12 V 3022               |
| C <sub>29</sub> | = 27 pF  | 50 V  | N750      | Ic <sub>1</sub> | = LM 78L05                     |
| C <sub>30</sub> | = 10 nF  | 50 V  |           | Ic <sub>2</sub> | = PIC 12C508A                  |
| R <sub>1</sub>  | = 2,2 KΩ | ¼W    |           | Xtal            | = 4,00 MHz                     |
| R <sub>2</sub>  | = 22 Ω   | 2W    |           | Fuse            | = 12 A                         |
| R <sub>3</sub>  | = 10 Ω   | ½W    |           |                 |                                |
| R <sub>4</sub>  | = 1,0 KΩ | ¼W    |           |                 |                                |
| R <sub>5</sub>  | = 12 KΩ  | ¼W    |           |                 |                                |
| R <sub>6</sub>  | = 100 Ω  | ¼W    |           |                 |                                |
| R <sub>7</sub>  | = 12 KΩ  | ¼W    |           |                 |                                |
| R <sub>8</sub>  | = 2,2 KΩ | ¼W    |           |                 |                                |
| R <sub>9</sub>  | = 100 Ω  | ¼W    |           |                 |                                |
| R <sub>10</sub> | = 120 Ω  | 2W    |           |                 |                                |
| R <sub>11</sub> | = 1,0 MΩ | ¼W    |           |                 |                                |
| R <sub>12</sub> | = 10 KΩ  | ¼W    |           |                 |                                |
| R <sub>13</sub> | = 10 KΩ  | ¼W    |           |                 |                                |
| R <sub>14</sub> | = 100 Ω  | ¼W    |           |                 |                                |
| R <sub>15</sub> | = 1,0 KΩ | ¼W    |           |                 |                                |
| R <sub>16</sub> | = 1,0 KΩ | ¼W    |           |                 |                                |
| R <sub>17</sub> | = 56 KΩ  | ¼W    |           |                 |                                |
| D <sub>1</sub>  | = 1N4148 |       |           |                 |                                |