



# RM

# Costruzioni Elettroniche

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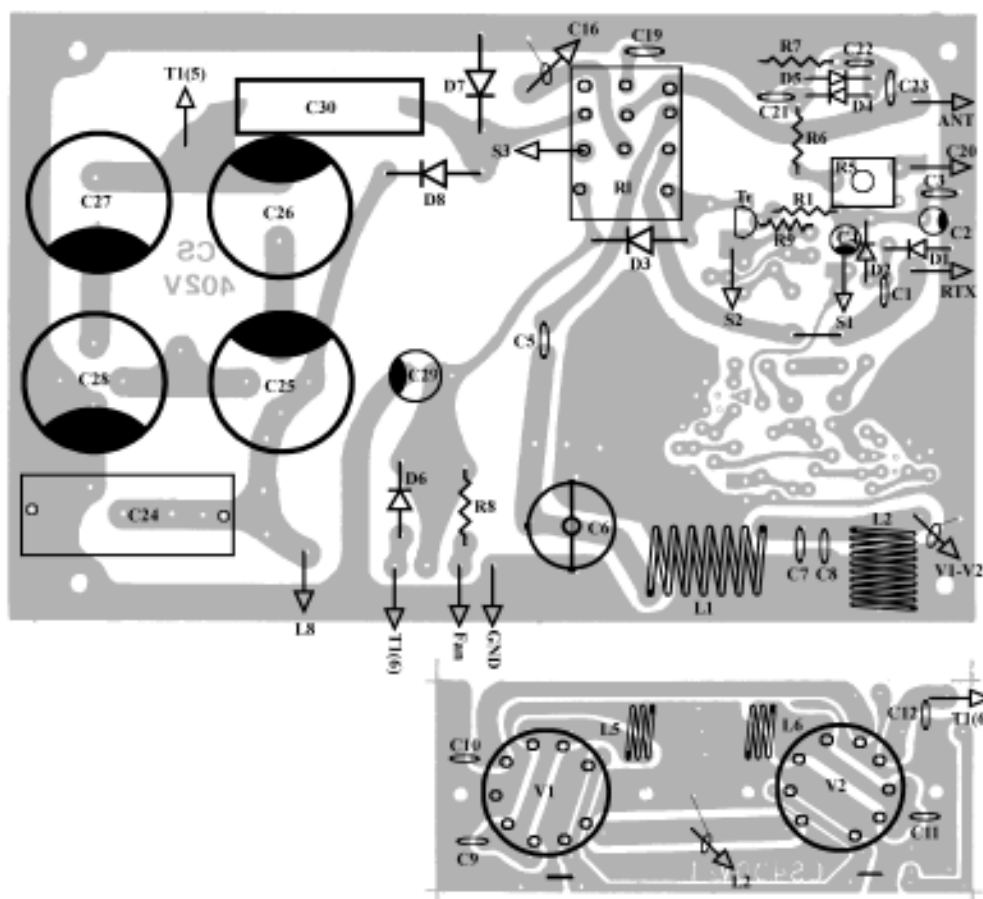
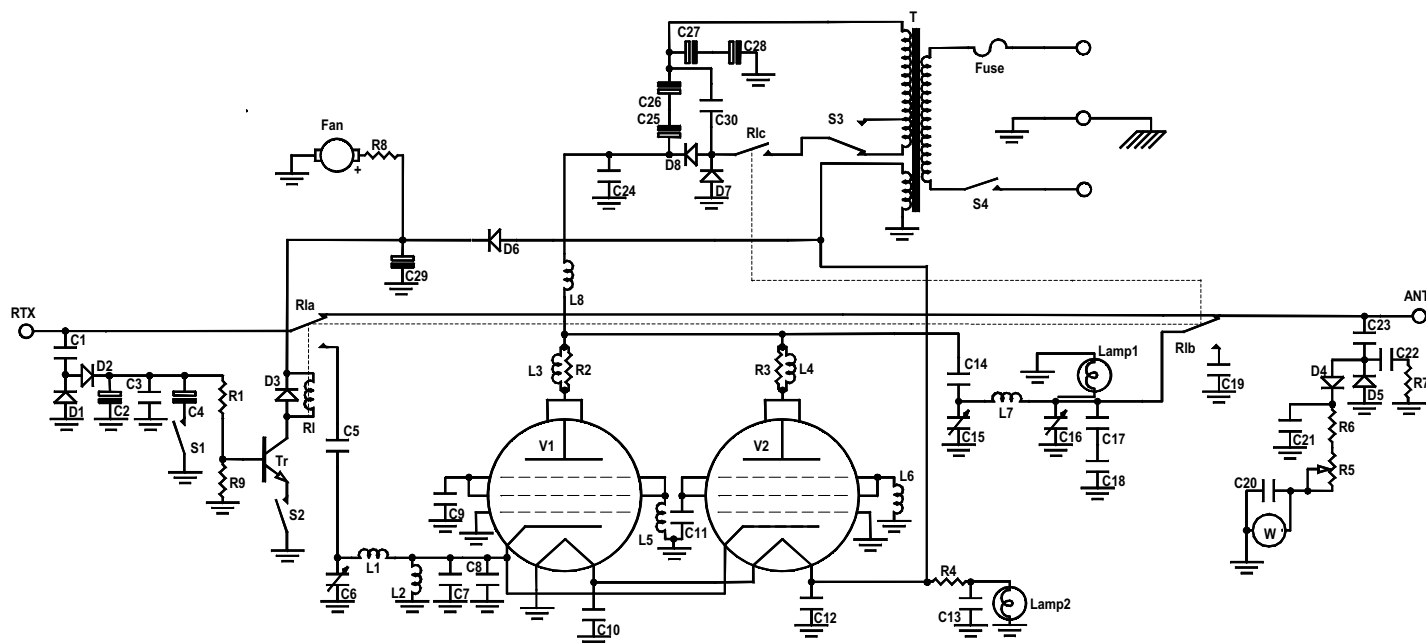
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## Mod. KLV 400 linear amplifier

Schematic diagram

Version 3.00



**List of components**

C<sub>1</sub> = 8,2 pF 50 V  
 C<sub>2</sub> = 10 µF 16 V  
 C<sub>3</sub> = 100 nF 50 V  
 C<sub>4</sub> = 47 µF 16 V  
 C<sub>5</sub> = 10 nF 50 V  
 C<sub>6</sub> = Trimmer 200 pF  
 C<sub>7</sub> = 150 pF 50 V N750  
 C<sub>8</sub> = 270 pF 50 V N750  
 C<sub>9</sub> = 270 pF 500 V N750  
 C<sub>10</sub> = 100 nF 50 V  
 C<sub>11</sub> = 270 pF 500 V N750  
 C<sub>12</sub> = 100 nF 50 V  
 C<sub>13</sub> = 100 nF 50 V  
 C<sub>14</sub> = 3 x 2,2 nF 1500 V  
 C<sub>15</sub> = Variable capacitor 50 pF  
 C<sub>16</sub> = Variable capacitor 350 pF  
 C<sub>17</sub> = 220 pF 500 V N750  
 C<sub>18</sub> = 220 pF 500 V N750  
 C<sub>19</sub> = 470 pF 50 V N750  
 C<sub>20</sub> = 100 nF 50 V  
 C<sub>21</sub> = 100 nF 50 V  
 C<sub>22</sub> = 33 pF 50 V N750  
 C<sub>23</sub> = 2,2 pF 50 V N750  
 C<sub>24</sub> = 22 nF 1000 V  
 C<sub>25</sub> = 470 µF 200 V  
 C<sub>26</sub> = 470 µF 200 V  
 C<sub>27</sub> = 470 µF 200 V  
 C<sub>28</sub> = 470 µF 200 V  
 C<sub>29</sub> = 470 µF 25 V  
 C<sub>30</sub> = 470 nF 630 V~  
 R<sub>1</sub> = 2,2 KΩ ¼W  
 R<sub>2</sub> = 39 Ω 2W  
 R<sub>3</sub> = 39 Ω 2W  
 R<sub>4</sub> = 68 Ω 2W  
 R<sub>5</sub> = Trimmer 220 KΩ  
 R<sub>6</sub> = 47 KΩ ¼W  
 R<sub>7</sub> = 27 Ω ½W  
 R<sub>8</sub> = 47 Ω 1W  
 R<sub>9</sub> = 4,7 KΩ ¼W  
 D<sub>1</sub> = D<sub>2</sub> = D<sub>4</sub> = D<sub>5</sub> = 1N4148  
 D<sub>3</sub> = D<sub>6</sub> = 1N4004  
 D<sub>7</sub> = D<sub>8</sub> = BY 255  
 Tr = BC 547  
 V<sub>1</sub> = V<sub>2</sub> = EL 509 - EL 519  
 L<sub>1</sub> = 7 turns φ 8 mm wire φ 0.8 mm  
 L<sub>2</sub> = 9 turns φ 8 mm wire φ 0.8 mm  
 L<sub>3</sub> = L<sub>4</sub> = 3 turns wound on resistor, wire φ 0.8 mm  
 L<sub>5</sub> = L<sub>6</sub> = 3 turns φ 6 mm wire φ 0.8 mm

L<sub>7</sub> = 7 turns φ 22 mm wire φ 2.0 mm  
 L<sub>8</sub> = RF impedance block  
 Rl = Relè 12 V 5513  
 Fuse = 3A  
 Lamp<sub>1</sub> = Meter lamp  
 Lamp<sub>2</sub> = 24 V  
 S<sub>1</sub> = Switch 3A (St. By - ON)  
 S<sub>2</sub> = Switch 3A (AM - SSB)  
 S<sub>3</sub> = Switch 3A (HI - LOW)  
 S<sub>4</sub> = Switch 3A (ON - OFF)  
 T = Transformer IN 220 OUT 0-250-300V 0-12 V  
 Fan = Fan 12 V