

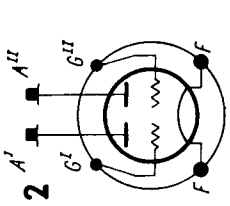
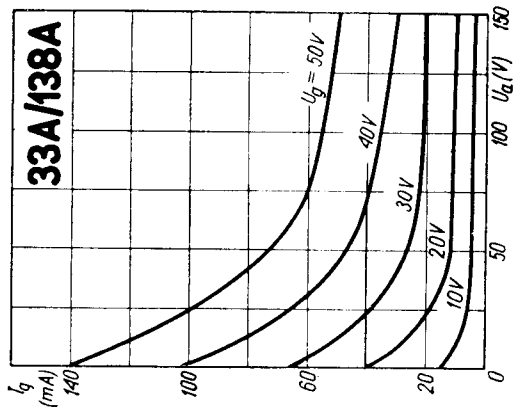
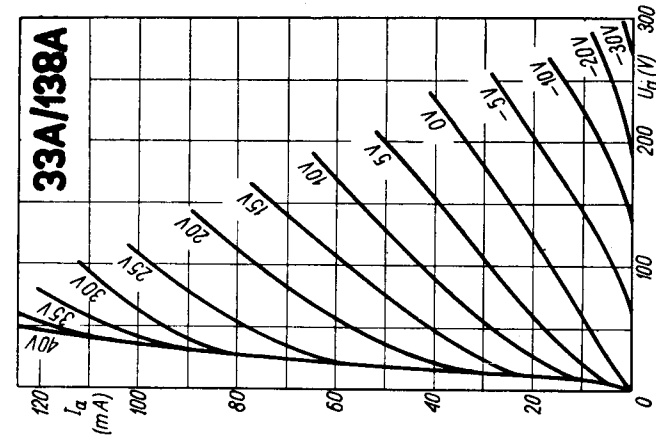
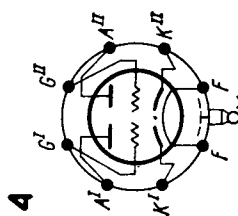


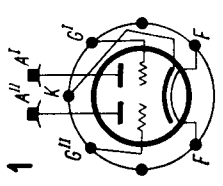
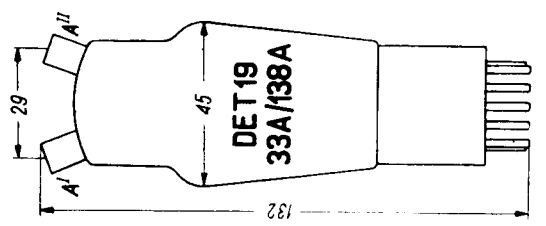
| T.         |  |  | $U_f$<br>V            | $I_f$<br>A | Cl.     | f<br>MHz | $U_a$<br>V | $U_g$<br>V | $I_a$<br>mA × 2                     | $I_g$<br>mA × 2                                  | $U_{g/g\approx}$<br>V | $P_{dr}$<br>W × 2 | $R_k$<br>$\Omega$ | $P_o$<br>W | $P_a$<br>W |
|------------|---|---|-----------------------|------------|---------|----------|------------|------------|-------------------------------------|--|-----------------------|-------------------|-------------------|------------|------------|
| DET 19     | MOG   | 1   | 6,3                   | 0,8        | C-Tgr   | 7        | 150        | - 50       | 65                                  | 20   | 230                   | 1,5               | 770               | 5,4        | 10         |
|            |   |   |                       |            |         |          | 200        | 50         | 70                                  | 18   | 220                   | 1,25              | 715               | 8,5        |            |
|            |   |   |                       |            |         |          | 250        | 50         | 80                                  | 18   | 220                   | 1,25              | 625               | 12,5       |            |
|            |   |   |                       |            |         |          | 300        | 50         | 80                                  | 15   | 210                   | 1                 | 625               | 15,9       |            |
|            |   |   |                       |            |         |          | 300        | -150       | 80                                  | 25   | maximum               | maximum           | maximum           | 10         |            |
|            |   |   |                       |            |         |          | 200        | - 40       | 50                                  | 8  | 170                   | 0,5               | 800               | 6,5        |            |
|            |   |   |                       |            |         |          | 250        | - 45       | 50                                  | 7  | 180                   | 0,5               | 900               | 8,5        |            |
|            |   |   |                       |            |         |          | 250        | -150       | 55                                  | 25   | maximum               | maximum           | maximum           | 6,5        |            |
|            |   |   |                       |            |         |          | 200        | - 13       | 40                                  | 3  | 70                    | 1,1               | 325               | 2,3        |            |
|            |   |   |                       |            |         |          | 300        | - 21       | 40                                  | 1,8  | 70                    | 0,75              | 525               | 3,5        |            |
| RK 59      | Ray   | 2   | 6,3                   | 1          | f × 2   | 7/14     | 200        | - 70       | 70                                  | 18   | 250                   | 1,5               | 1000              | 6,3        | 10         |
|            |   |   |                       |            |         |          | 250        | - 70       | 70                                  | 16   | 250                   | 1,5               | 1000              | 8          |            |
|            |   |   |                       |            |         |          | 300        | - 70       | 70                                  | 12   | 250                   | 1,25              | 1000              | 10,5       |            |
|            |   |   |                       |            |         |          | 250        | -150       | 60                                  | 5  | -                     | -                 | -                 | 5,1        |            |
|            |   |   |                       |            |         |          | 300        | -150       | 80                                  | 25   | maximum               | maximum           | maximum           | 10         |            |
|            |   |   |                       |            |         |          | 300        | -          | 25                                  | (S = 2,1 mA/V; $\mu = 7$ ; $R_i = 3340 \Omega$ ) | maximum               | maximum           | maximum           | 5          |            |
|            |   |   |                       |            |         |          | 300        | -          | 40                                  | maximum ( $U_{fk} = 100 V$ )                     | maximum               | maximum           | maximum           | 5          |            |
|            |   |   |                       |            |         |          | 500        | - 60       | 90                                  | 14   | 1,3                   | 1,3               | 32                | 7,5        |            |
|            |   |   |                       |            |         |          | 300        | -100       | 66                                  | 14   | 2                     | 2                 | 12                | 12         |            |
|            |   |   |                       |            |         |          | TV 03-10   | Mul        | 3                                   | 6,3  | 0,9                   | stat.             | 60                | 275        |            |
| 300        | -100  | 62  | 15                    | 120        | 2       | 10,3     |            |            |                                     |  |                       |                   |                   |            |            |
| 300        | - 23  | 42  | 12                    | 0,3        | 0,3     | 10,3     |            |            |                                     |  |                       |                   |                   |            |            |
| 300        | -   | maximum (S = 3,2 mA/V; $\mu = 12,5$ )   | maximum               | maximum    | maximum | 5        |            |            |                                     |  |                       |                   |                   |            |            |
| 300        | - 36  | 80  | 18                    | 14         | 14      | 14       |            |            |                                     |  |                       |                   |                   |            |            |
| 300        | - 13  | 30  | ( $R_o = 7 k\Omega$ ) | 1          | 1       | 1        |            |            |                                     |  |                       |                   |                   |            |            |
| 300        | - 16  | (7 ÷ 37) × 2  | 120                   | 12         | 12      | 12       |            |            |                                     |  |                       |                   |                   |            |            |
| 250        | - 7   | (S = 3 mA/V; $\mu = 14$ )   | maximum               | maximum    | maximum | 5        |            |            |                                     |  |                       |                   |                   |            |            |
| 300        | -   | 50  | maximum               | maximum    | maximum | 5        |            |            |                                     |  |                       |                   |                   |            |            |
| 33 A/138 A | STCE  | 1   | 6,3                   | 0,8        | stat.   | 100      |            |            |                                     |  |                       |                   |                   | 300        | - 50       |
|            |   |   |                       |            |         |          | 300        | - 20       | (6 ÷ 86) × 2                        | 14   | 14                    | 14                |                   |            |            |
|            |   |   |                       |            |         |          | 300        | -          | maximum ( $R_{a/a} = 1800 \Omega$ ) | 14   | 14                    | 14                |                   |            |            |
|            |   |   |                       |            |         |          | 300        | -          | maximum (S = 3 mA/V; $\mu = 14$ )   | 14   | 14                    | 14                |                   |            |            |
| 33 A/158 M | STCE  | 4   | 6,3                   | 0,8        | stat.   | 100      | 300        | - 50       | 180                                 | 34   | 100                   | maximum           | 15,5              | 6          |            |
|            |   |   |                       |            |         |          | 300        | - 20       | (6 ÷ 86) × 2                        | 14   | 14                    | 14                |                   |            |            |
|            |   |   |                       |            |         |          | 300        | -          | maximum ( $R_{a/a} = 1800 \Omega$ ) | 14   | 14                    | 14                |                   |            |            |
|            |   |   |                       |            |         |          | 300        | -          | maximum (S = 3 mA/V; $\mu = 14$ )   | 14   | 14                    | 14                |                   |            |            |



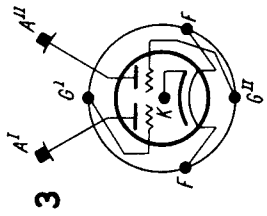
**RK59**



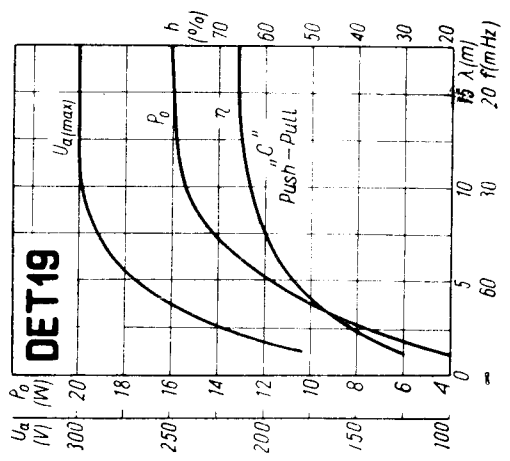
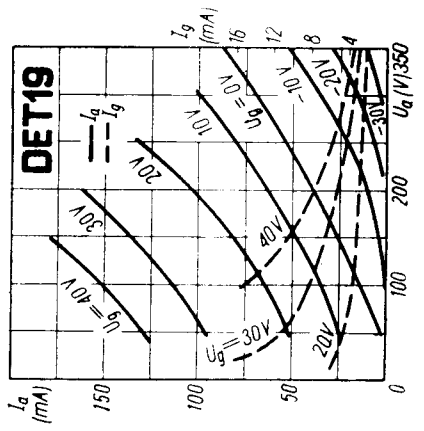
**33A/158M**



**DET19**



**TV03-10**



| T.         | $C_g$ |     | $C_a$ |      | $C_{g/a}$ |    |
|------------|-------|-----|-------|------|-----------|----|
|            | PF    | PF  | PF    | PF   | PF        | PF |
| DET19      | 4,2   | 0,6 | 1     | 2,3  |           |    |
| RK59       | 5     | 1   | 2     | 3,3  |           |    |
| TV 03-10   | 6     | 3,4 | 0,5   | 2,4  |           |    |
| 2 C34      | 6     | 1,3 | 2,7   | 2,7  |           |    |
| 33 A/138 A | 2,9   | 6,2 | 2,35  | 2,35 |           |    |

**Equivalents 33 A/138 A**

|       |     |        |      |
|-------|-----|--------|------|
| RK34  | Ray | 3074 A | LMT  |
| 2 C34 | Ray | 4074 A | STCE |