

# Trioda – pentoda

# ECL 82

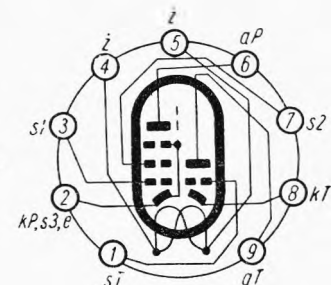
Telefunken

Odchylenie pionowe (TV), wzmacniacz mocy m. cz.

Nowal



$$\frac{U_z = 6,3V}{I_z = 780mA}$$



### Wartości robocze

Trioda wzm. m. cz. (RC)

Pentoda kl. A

Przeciwobnie kl. AB

|                 |      |      |      |       |       |       |       |               |               |                |               |            |
|-----------------|------|------|------|-------|-------|-------|-------|---------------|---------------|----------------|---------------|------------|
| $U_a$           |      |      |      | 200   | 200   | 170   | 100   | 200           | 170           | V              |               |            |
| $U_{ab}$        | 200  | 170  | 100  |       |       |       |       |               |               | V              |               |            |
| $U_{s2}$        |      |      |      | 200   | 170   | 170   | 100   | 200           | 170           | V              |               |            |
| $U_{s1}$        |      |      |      | -16   | -12,5 | -11,5 | -6    |               |               | V              |               |            |
| $U_{s1\sim}$    |      |      |      | 6,6   | 5,8   | 6     | 3,8   | 0             | 21,8          | 0              | 18            | V          |
| $U_{s1\sim}^1)$ |      |      |      | 0,6   | 0,56  | 0,59  | 0,65  |               |               |                |               | V          |
| $I_a$           | 0,52 | 0,43 | 0,23 | 35    | 35    | 41    | 23    | $2 \times 35$ | $2 \times 38$ | $2 \times 33$  | $2 \times 37$ | mA         |
| $I_{s2}$        |      |      |      | 7     | 6,5   | 8     | 5     | $2 \times 7$  | $2 \times 16$ | $2 \times 6,2$ | $2 \times 15$ | mA         |
| $S_a$           |      |      |      | 6,4   | 6,8   | 7,5   | 6,8   |               |               |                |               | mA/V       |
| $q_a$           |      |      |      | 20    | 20,5  | 16    | 15    |               |               |                |               | k $\Omega$ |
| $R_a$           |      | 220  |      | 5,6   | 5,6   | 4     | 4     |               |               |                |               | k $\Omega$ |
| $R_{aa}$        |      |      |      |       |       |       |       |               | 5             |                | 5             | k $\Omega$ |
| $h$             | 1,6  | 2,3  | 4    | 10    | 10    | 10    | 10    | 0             | 4,8           | 0              | 4             | %          |
| $R_k$           | 2,2  | 2,7  | 2,7  | 0,380 | 0,3   | 0,235 | 0,195 | 190           |               | 160            |               | k $\Omega$ |
| $k_u$           | 52   | 51   | 47   |       |       |       |       |               |               |                |               | V/V        |
| $P_{wyf\sim}$   |      |      |      | 3,5   | 3,4   | 3,3   | 1,05  | 0             | 9             | 0              | 7             | W          |

### Pojemności

Trioda

Pentoda

Trioda/Pentoda

|            |       |       |    |              |         |    |
|------------|-------|-------|----|--------------|---------|----|
| $C_{wej}$  | 3     | 9,3   | pF | $C_{aT/s1P}$ | < 0,02  | pF |
| $C_{wyf}$  | 4,3   | 8     | pF | $C_{sT/s1P}$ | < 0,02  | pF |
| $C_{a/s1}$ | 4,5   | < 0,3 | pF | $C_{aT/aP}$  | < 0,025 | pF |
| $C_{s1/w}$ | < 0,1 | 0,3   | pF | $C_{sT/aP}$  | < 0,25  | pF |

<sup>1)</sup> (50 mW)

TYPY PODOBNE

**6 BM 8, PCL 83**

### Wartości charakterystyczne

### Wartości graniczne

|             | Trioda |     | Pentoda |     |            | Trioda            |     | Pentoda |            |
|-------------|--------|-----|---------|-----|------------|-------------------|-----|---------|------------|
|             |        |     |         |     |            |                   |     |         |            |
| $U_a$       | 100    | 200 | 170     | 100 | V          | $U_{a0max}$       | 550 | 900     | V          |
| $U_{s2}$    |        | 200 | 170     | 100 | V          | $U_{amax}$        | 300 | 600     | V          |
| $U_{s1}$    | 0      | -16 | -11,5   | -6  | V          | $U_{aszczmax}$    | 600 | 2500    | V          |
| $U_{a\sim}$ |        | 26  | 25      | 15  | V          | $-U_{aszczmax}$   |     | 500     | V          |
| $I_a$       | 3,5    | 35  | 41      | 26  | mA         | $U_{s20max}$      |     | 550     | V          |
| $I_{s2}$    |        | 7   | 8       | 5   | mA         | $U_{s2max}$       |     | 300     | V          |
| $K_a$       | 70     |     |         |     | V/V        | $P_{amax}$        | 1   | 7       | W          |
| $S_a$       | 2,5    | 6,5 | 7,5     | 6,8 | mA/V       | $P_{s2max}$       |     | 3,2     | W          |
| $\rho_a$    | 28     | 20  | 16      | 15  | k $\Omega$ | $I_{kmax}$        | 15  | 50      | mA         |
| $K_{s2/s1}$ |        | 9,5 | 9,5     | 10  | V/V        | $I_{kszczmax}$    | 250 | 125     | mA         |
|             |        |     |         |     |            | $R_{s1max}(aut.)$ | 3   | 2       | M $\Omega$ |
|             |        |     |         |     |            | $R_{s1max}(st.)$  | 1   | 1       | M $\Omega$ |
|             |        |     |         |     |            | $U_{w/kmax}$      | 100 | 100     | V          |
|             |        |     |         |     |            | $R_{w/kmax}$      | 20  | 20      | k $\Omega$ |

