

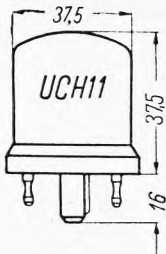
Trioda – heksoda

UCH 11

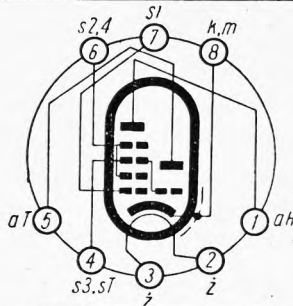
Philips

Oscylator i mieszacz

Stalowy



$U_z = 20 V$
 $I_z = 100 mA$



Wartości robocze

Trioda jako oscylator

Heksoda

| Trioda jako oscylator | | | Heksoda | | | | | | | | |
|-----------------------|-----|-----|---------|-------------|-----|-------|-------|-----|-------|-------|------|
| U_b | 100 | 200 | V | $U_a = U_b$ | 100 | | 200 | V | | | |
| U_a | 60 | 115 | V | $R_{s2/s4}$ | 40 | | 40 | kΩ | | | |
| R_a | 30 | 30 | kΩ | R_k | 240 | | 240 | Ω | | | |
| I_a | 1,4 | 2,8 | mA | $R_{sT/s3}$ | 50 | | 50 | kΩ | | | |
| $I_{sT/s3}$ | 100 | 160 | μA | $K_{s2/s1}$ | 22 | | 22 | V/V | | | |
| $R_{sT/s3}$ | 50 | 50 | kΩ | $I_{sT/s3}$ | 100 | | 160 | μA | | | |
| U_{osc} | 4 | 7 | V | U_{osc} | 4 | | 7 | V | | | |
| | | | | U_{s1} | -1 | -11,7 | -15 | -2 | -18 | -24 | V |
| | | | | $U_{s2/s4}$ | 40 | — | 100 | 80 | — | 200 | V |
| | | | | I_a | 1,2 | — | — | 2,5 | — | — | mA |
| | | | | $I_{s3/s4}$ | 1,5 | — | — | 3 | — | — | mA |
| | | | | S_p | 450 | 4,5 | 1,1 | 750 | 7,5 | 1,9 | μA/V |
| | | | | ϱ_a | 0,6 | > 1,0 | > 5,0 | 1 | > 0,3 | > 0,5 | MΩ |

Wartości graniczne

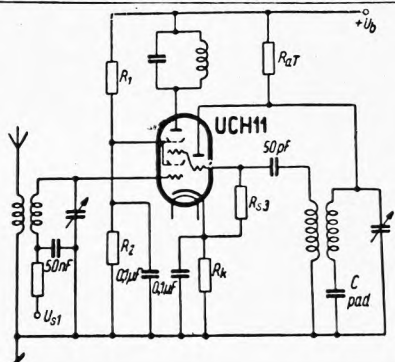
Heksoda Trioda

| | Heksoda | Trioda | |
|-------------------|---------|--------|----|
| U_{a0max} | 550 | 550 | V |
| U_{amax} | 250 | 150 | V |
| $U_{s2/s4max}$ | 550 | — | V |
| $U_{s3/s4max}^1)$ | 250 | — | V |
| $U_{s2/s4max}^2)$ | 125 | — | V |
| P_{amax} | 1,5 | 1 | W |
| $P_{s2/s4max}$ | 0,5 | — | W |
| I_{kmax} | 15 | — | mA |
| $U_{s1max}^3)$ | -1,3 | — | V |
| $U_{sT/s3max}^4)$ | -1,3 | -1,3 | V |
| R_{s1max} | 3 | — | MΩ |
| $R_{sT/s3max}$ | — | 0,1 | MΩ |
| $R_w/kmax$ | 20 | — | kΩ |
| $U_w/kmax$ | 200 | — | V |

Pojemności

| | | | | | |
|----------------|--------|----|----------------|-------|----|
| C_{aH} | 9 | pF | C_{aT} | 4,2 | pF |
| C_{aH-s1} | <0,001 | pF | $C_{sT/s3}$ | 9,2 | pF |
| $C_{s1/a}$ | 6 | pF | $C_{sT/s3-aT}$ | 1,5 | pF |
| $C_{s1/w}$ | <0,001 | pF | $C_{sT/s3-w}$ | <0,3 | pF |
| $C_{sT/s3-s1}$ | <0,2 | pF | $C_{aT/aH}$ | <0,02 | pF |
| $C_{sT/s3-aH}$ | <0,4 | pF | $C_{aT/s1}$ | <0,05 | pF |

¹⁾ $I_a < 1 mA$; ³⁾ $I_{s1} = +0,3 \mu A$;
²⁾ $I_a = 2,5 mA$; ⁴⁾ $I_{sT/s3} = +0,3 \mu A$;



TYPY PODOBNE

ECH 11

