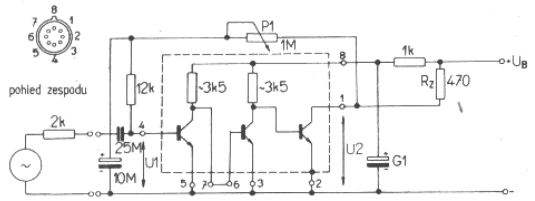
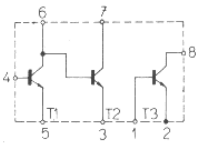
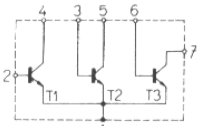



MAA325
MAA345




MAA435




MAA525

Pouzdro IO 3

| Charakteristické údaje: | | | | Měřeno při |
|---|---|---|---|---|
| **MAA325 MAA345** | $A_U$ | > 70 | dB | $U_B$ = 7 V, $U_{2\,eff}$ = 2,1 V, f = 1 kHz, $R_G$ = 2 kΩ, $R_L$ = 470 Ω |
| | $A_U$ | > 60 | dB | $U_B$ = 7 V, $U_{2\,eff}$ = 1,7 V, f = 1 MHz, $R_G$ = 2 kΩ |
| | K | < 10 | % | $U_B$ = 7 V, $U_{2\,eff}$ = 2,1 V, f = 1 kHz, $R_G$ = 2 kΩ, $R_L$ = 470 Ω |
| | F [1] | < 8 | dB | $U_{7/5}$ = 6 V, $I_5$ = 100 μA, f = 1 kHz, $R_G$ = 2 kΩ, Δf = 30 Hz . . . 15 kHz |
| | $h_{21E}$ [1] | > 30 | | $U_{7/5}$ = 1 V, $I_5$ = 1 mA |
| | $U_{7/5\,sat}$ [1] | < 0,2 | V | $U_{8/5}$ = 6 V, $I_C$ = 10 . $I_B$ |
| | $U_{1/2\,sat}$ [2] | < 0,6 | V | $U_{8/2}$ = 6 V, $U_{6/3}$ = 0 V, $R_L$ = 470 Ω |
| **MAA435** | $h_{21E1}$ | > 40 | | $U_{6/4}$ = 6 V, $I_5$ = 0,2 mA |
| | $h_{21E2}$ | > 40 | | $U_{7/6}$ = 6 V, $I_3$ = 0,2 mA |
| | $h_{21E3}$ | > 40 | | $U_{8/1}$ = 3,5 V, $I_2$ = 15 mA |
| | $U_{BE}$ | 0,55 . . . 0,8 | V | $I_5$ = 0,2 mA, $U_{4/5}$ = 6 V |
| | $U_{8/2S}$ | < 0,7 | V | $I_1$ = 0,5 mA, $I_8$ = 20 mA |
| | $U_{7/3S}$ | < 0,9 | V | $I_6$ = 0,2 mA, $I_7$ = 8 mA |
| | F | < 8 | dB | $U_{6/5}$ = 6 V, $I_6$ = 100 μA, $R_G$ = 2 kΩ, f = 1 kHz, Δf = 30 Hz . . . 15 kHz |
| | $\|h_{21e}\|$ (T1, T2, T3) | ≧ 1 | | $U_{CE}$ = 6 V, $I_E$ = 2 mA, f = 100 MHz |
| **MAA525** | $h_{21E}$ | > 20 | | $U_{CB}$ = 6 V, $I_E$ = 2 mA ($T_1$, $T_2$, $T_3$) |
| | $U_{BE}$ | 0,5 < 0,75 < 0,8 | V | $U_{CB}$ = 6 V, $I_E$ = 200 μA ($T_1$, $T_2$, $T_3$) |
| | $U_{CES}$ | < 0,4 | V | $I_C$ = 8 mA, $I_B$ = 0,4 mA ($T_1$, $T_2$, $T_3$) |
| | $\|h_{21e}\|$ | ≧ 1 | | $U_{CE}$ = 6 V, $I_E$ = 2 mA, f = 100 MHz, ($T_1$, $T_2$, $T_3$) |
| | F ($T_1$) | ≦ 10 | dB | $U_{4/1}$ = 6 V, $I_4$ = 100 μA, $R_G$ = 2 kΩ, f = 1 kHz, Δf = 30 Hz . . . 15 kHz |

[1] První tranzistoru

[2] Třetího tranzistoru

Mezní hodnoty:

| | | MAA325 | MAA345 | | MAA435 | | | | MAA525 (T1, T2, T3) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $U_B$ | max. | 7 | 12 | V | $U_{6/5}$ | max. | 7 | V | $U_{CEO}$ | max. | 7 | V |
| $U_{8/3}$ | max. | 7 | 7 | V | $U_{7/3}$ | max. | 7 | V | $U_{EBO}$ | max. | 5 | V |
| $U_{1/2}$ | max. | 7 | 12 | V | $U_{8/2}$ | max. | 9 | V | $I_C$ (T3) | max. | 40 | mA |
| $U_{7/40}$ | max. | 20 | | V | $U_{6/4}$ | max. | 15 | V | $I_C$ (T2) | max. | 20 | mA |
| $U_{7/5}$ | max. | 7 | | V | $U_{8/1}$ | max. | 15 | V | $I_C$ (T1) | max. | 10 | mA |
| $U_{5/4M}$ | max. | 6 | | V | $U_{5/4}$ | max. | 6 | V | $P_{tot}$ [3] | max. | 300 | mW |
| $U_{3/6M}$ | max. | 6 | | V | $U_{3/6}$ | max. | 6 | V | $\vartheta_j$ | max. | 150 | °C |
| $I_1$ | max. | 40 | | mA | $U_{2/1}$ | max. | 6 | V | $\vartheta_a$ | max. | −55 . . . +125 | °C |
| $I_2$ | max. | 40 | | mA | $I_2$ | max. | 40 | mA | | | | |
| $I_5$ | max. | 20 | | mA | $I_5$ | max. | 20 | mA | | | | |
| $I_7$ | max. | 20 | | mA | $I_3$ | max. | 20 | mA | | | | |
| $I_4$ | max. | 10 | | mA | $I_1$ | max. | 10 | mA | | | | |
| $I_3$ | max. | 5 | | mA | $I_4$ | max. | 10 | mA | | | | |
| $I_6$ | max. | 10 | | mA | $P_{tot}$ [3] | max. | 300 | mW | | | | |
| $P_{tot}$ [3] | max. | 300 | | mW | $\vartheta_j$ | max. | 150 | °C | | | | |
| $\vartheta_j$ | max. | 150 | | °C | $\vartheta_a$ | max. | −55 . . . +125 | °C | | | | |
| $\vartheta_a$ | max. | −55 . . . +125 | | °C | | | | | | | | |

[3] $\vartheta_a \leq 45$ °C