

GERMANIOVÉ TRANZISTORY

NF TRANZISTORY N-P-N STŘEDNÍHO VÝKONU

| Typ | Mezní hodnoty | | | | | | I_{CBO} $_{max}$ μA | při U_{CB} V | h_{21E} při | U_{CE} V | I_E mA | $r_{bb'}$ Ω | f_T $_{min}$ MHz | Pouzdro |
|--------|---------------|---------------|------------|------------|--------------------------|---------------------------|----------------------------------|-------------------|------------------|---------------|-------------|-----------------------|--------------------------|---------|
| | U_{CB} V | U_{CE} V | I_C A | I_B A | P_C ¹⁾ W | θ_j $^{\circ}C$ | | | | | | | | |
| GC520 | 32 | 16 | 1 | 0,1 | 0,2 | 90 | 35 | 10 | 60 — 175 | 0 | 300 | < 75 | 1 | T3 |
| GC521 | 25 | 15 | 1 | 0,1 | 0,2 | 90 | 35 | 10 | 100 — 500 | 0 | 300 | < 75 | 1 | T3 |
| GC522 | 20 | 15 | 1 | 0,1 | 0,2 | 90 | 35 | 10 | > 25 | 0 | 300 | < 75 | 1 | T3 |
| GC520K | 32 | 16 | 1 | 0,1 | 0,3 | 90 | 35 | 10 | 60 — 175 | 0 | 300 | < 75 | 1 | T4 |
| GC521K | 25 | 15 | 1 | 0,1 | 0,3 | 90 | 35 | 10 | 100 — 500 | 0 | 300 | < 75 | 1 | T4 |
| GC522K | 20 | 15 | 1 | 0,1 | 0,3 | 90 | 35 | 10 | > 25 | 0 | 300 | < 75 | 1 | T4 |

¹⁾ $\theta_a \leq 45^{\circ}C$ bez přidavného chlazení.
S ideálním chlazením $P_{C_{max}} = 1 W$

Komplementární dvojice: GC510/GC520
GC511/GC521
GC510K/GC520K
GC511K/GC521K

KŘEMÍKOVÉ TRANZISTORY PRO VŠEOBECNÉ POUŽITÍ

NÍZKOFREKVENČNÍ TRANZISTORY N-P-N

| Typ | Mezní hodnoty | | | | | | I_{CBO} při U_{CB} I_{CES}^* $_{max}$ nA | při U_{CB} U_{CES}^* V | h_{21e} při h_{21E} | U_{CB} V | I_C mA | f kHz | f_T $_{min}$ MHz | F $_{max}$ dB | Pouzdro |
|--------|------------------------------|----------------|----------------|-------------|-------------------|---------------------------|--|----------------------------------|-------------------------------|---------------|-------------|----------|--------------------------|---------------------|---------|
| | U_{CB} U_{CES}^* V | U_{CEO} V | U_{EBO} V | I_C mA | P_{tot} mW | θ_j $^{\circ}C$ | | | | | | | | | |
| BC413B | 45 | 30 | 5 | 100 | 300 | 150 | 15 | 30 | 240 ... 500 | 5 | 2 | 1 | 250 | 2,5 ²⁾ | T17 |
| BC413C | 45 | 30 | 5 | 100 | 300 | 150 | 15 | 30 | 450 ... 900 | 5 | 2 | 1 | 250 | 2,5 ²⁾ | T17 |
| KC147 | 45 | 45 | 5 | 100 | 200 ¹⁾ | 125 | 15 | 45 | 125 ... 500 | 5 | 2 | 1 | 150 | 10 ³⁾ | T28 |
| KC148 | 20 | 20 | 5 | 100 | 200 ¹⁾ | 125 | 15 | 20 | 125 ... 900 | 5 | 2 | 1 | 150 | 10 ³⁾ | T28 |
| KC149 | 20 | 20 | 5 | 100 | 200 ¹⁾ | 125 | 15 | 20 | 240 ... 900 | 5 | 2 | 1 | 150 | 4 ²⁾ | T28 |
| KC237A | 50* | 45 | 6 | 100 | 300 | 150 | 15* | 50* | 120 ... 220* | 5 | 2 | — | 150 | 10 ³⁾ | T16 |
| KC237B | 50* | 45 | 6 | 100 | 300 | 150 | 15* | 50* | 180 ... 460* | 5 | 2 | — | 150 | 10 ³⁾ | T16 |
| KC237V | 70* | 64 | 6 | 100 | 300 | 150 | 15* | 70* | 30 ... 150* | 5 | 2 | — | 150 | 10 ³⁾ | T16 |
| KC238A | 30* | 20 | 5 | 100 | 300 | 150 | 15* | 30* | 120 ... 220* | 5 | 2 | — | 150 | 10 ³⁾ | T16 |
| KC238B | 30* | 20 | 5 | 100 | 300 | 150 | 15* | 30* | 180 ... 460* | 5 | 2 | — | 150 | 10 ³⁾ | T16 |
| KC238C | 30* | 20 | 5 | 100 | 300 | 150 | 15* | 30* | 380 ... 800* | 5 | 2 | — | 150 | 10 ³⁾ | T16 |
| KC239B | 30* | 20 | 5 | 50 | 300 | 150 | 15* | 30* | 180 ... 460* | 5 | 2 | — | 150 | 4 ³⁾ | T16 |
| KC239C | 30* | 20 | 5 | 50 | 300 | 150 | 15* | 30* | 380 ... 800* | 5 | 2 | — | 150 | 4 ³⁾ | T16 |
| KC239F | 30* | 20 | 5 | 50 | 300 | 150 | 15* | 30* | 300 ... 800* | 5 | 2 | — | 150 | 2 ²⁾ | T16 |
| KC507 | 45 | 45 | 5 | 100 | 300 | 175 | 15 | 45 | 125 ... 500 | 5 | 2 | 1 | 150 | 10 ³⁾ | T11 |
| KC508 | 20 | 20 | 5 | 100 | 300 | 175 | 15 | 20 | 125 ... 900 | 5 | 2 | 1 | 150 | 10 ³⁾ | T11 |
| KC509 | 20 | 20 | 5 | 100 | 300 | 175 | 15 | 20 | 240 ... 900 | 5 | 2 | 1 | 150 | 4 ²⁾ | T11 |
| KC635 | 45* | 45 | 5 | 1A | 800 | 150 | 100* | 30* | 40 ... 250* | 2 | 150 | — | 50 | — | T16 |
| KC637 | 60* | 60 | 5 | 1A | 800 | 150 | 100* | 30* | 40 ... 160* | 2 | 150 | — | 50 | — | T16 |
| KC639 | 100* | 80 | 5 | 1A | 800 | 150 | 100* | 30* | 40 ... 160* | 2 | 150 | — | 50 | — | T16 |

¹⁾ $\theta_a \leq 45^{\circ}C$, bez chlazení

²⁾ $U_{CE} = 5 V$, $I_C = 0,2 mA$, $R_g = 2 k\Omega$, $\Delta f = 30 \dots 15\ 000 Hz$

³⁾ $U_{CE} = 5 V$, $I_C = 0,2 mA$, $R_g = 2 k\Omega$, $f = 1 kHz$, $\Delta f = 200 Hz$