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Hangfrekvenciás pnp Ge-tranzisztor

Jellemző értékek ($T_a = 25^\circ\text{C}$)

$$\begin{aligned} -I_{CBo}(-U_{CBo} = 9 \text{ V}) &\leq 20 \mu\text{A} & -I_{EBo}(-U_{EBo} = 6 \text{ V}) &\leq 20 \mu\text{A} \\ -I_{CBo}(-U_{CBo} = 9 \text{ V}) &\leq 330 \mu\text{A} (T_a = 60^\circ\text{C}) \end{aligned}$$

Nagyjelű paraméterek

$$\begin{aligned} h_{21E} \left(\begin{array}{l} -U_{CE} = 6 \text{ V} \\ -I_C = 5 \text{ mA} \end{array} \right) &= 63 & h_{21E} \left(\begin{array}{l} -U_{CE} = 1 \text{ V} \\ -I_C = 300 \text{ mA} \end{array} \right) &= 67 \\ -U_{BE} &= 155 \text{ mV} & -U_{BE} &= 450 \text{ mV} \end{aligned}$$

$$\begin{aligned} h_{21E} \left(\begin{array}{l} -U_{CE} = 6 \text{ V} \\ -I_C = 50 \text{ mA} \end{array} \right) &= 100 & \frac{h_{21E 300}}{h_{21E \max}} &\geq 0,55 \\ -U_{BE} &= 250 \text{ mV} \end{aligned}$$

$$\begin{aligned} \frac{h'_{21E}}{h'_{21E}} &\leq 1,3 \quad \text{párbaválogatás esetén,} & -I_C &= 50 \text{ mA, } -U_{CE} = 6 \text{ V és} \\ & & -I_C &= 300 \text{ mA, } -U_{CE} = 1 \text{ V-nál} \end{aligned}$$

$$-U_{CEsat} (-I_C = 0,3 \text{ A}) \leq 0,6 \text{ V}$$

$$f_\alpha (-U_{CB} = 6 \text{ V, } -I_C = 50 \text{ mA}) = 1,5 \text{ MHz}$$

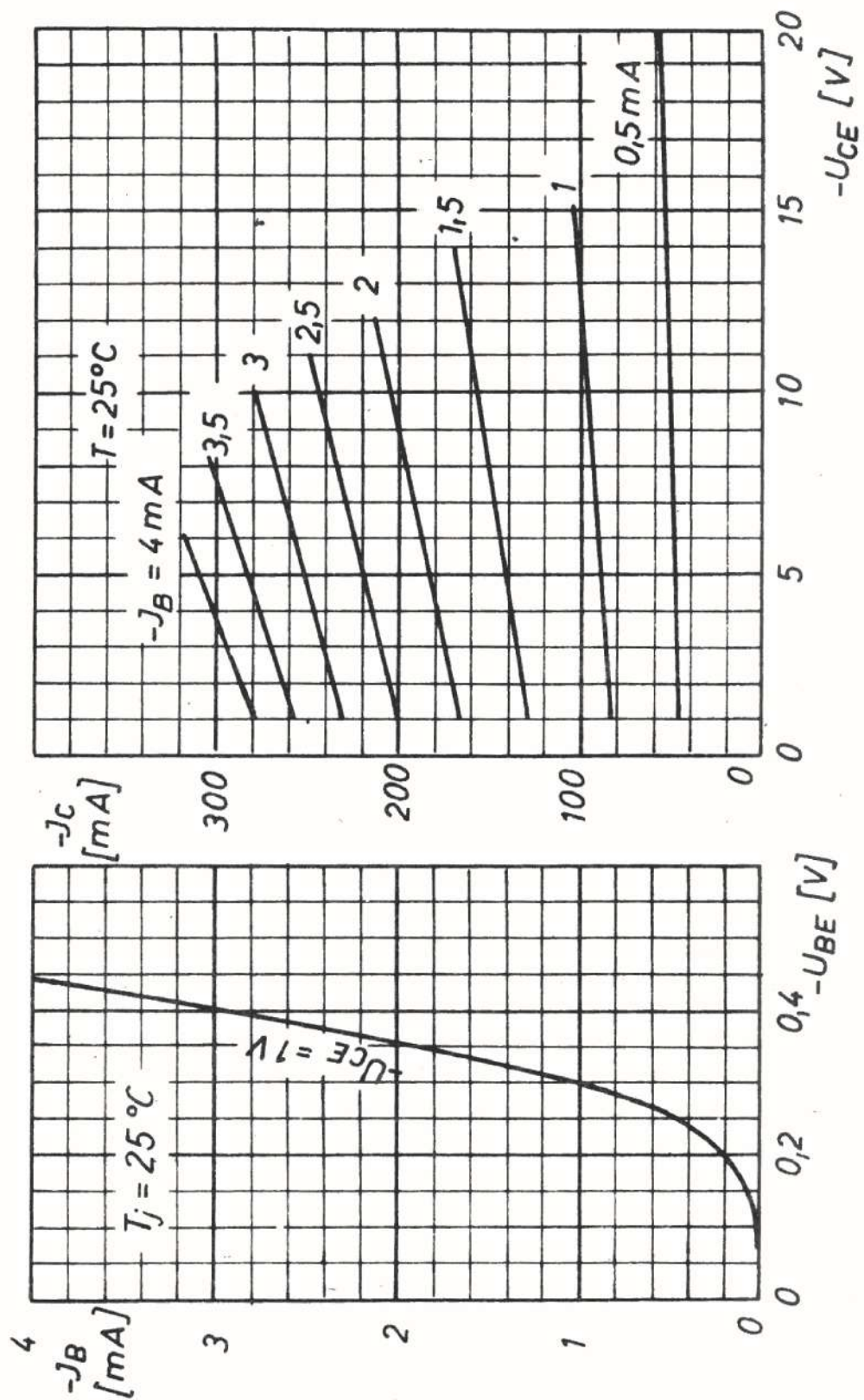
$$r_{bb}, (-U_{CE} = 6 \text{ V, } I_E = 10 \text{ mA}) = 50 \Omega$$

Határértékek ($T_a = 25^\circ\text{C}$)

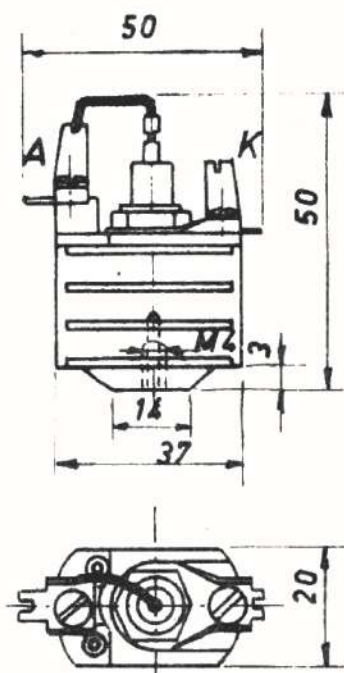
$$\begin{aligned} -U_{CBo} &= 20 \text{ V} & T_j &= -55 \dots +75^\circ\text{C} \\ -U_{CER} &= 20 \text{ V} (Z_{BE} < 500 \Omega) & R_{ja} &= 0,22^\circ\text{C/mW} \\ -U_{EBo} &= 6 \text{ V} & R_{jc} &= 0,09^\circ\text{C/mW} \\ -I_C &= 300 \text{ mA} & I_E &= 310 \text{ mA} \end{aligned}$$

Kiviteli forma: TO-1 tok hosszú sapkával

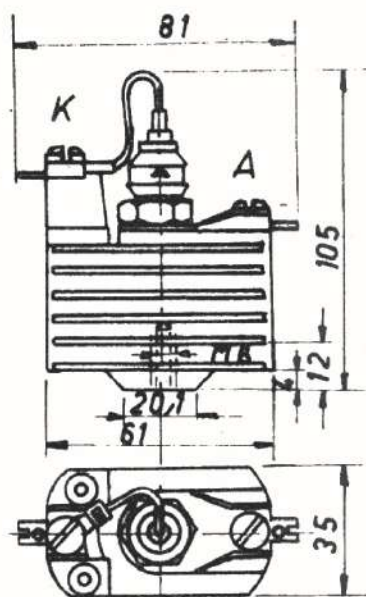
OC 74
OC 1074



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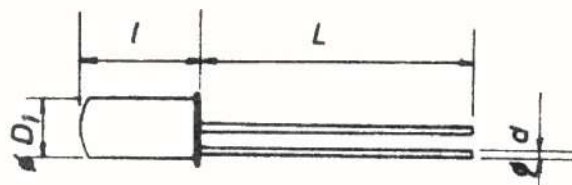
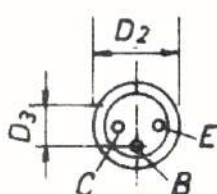
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8.2 Tranzisztorok

(a megadott hőellenállás adatok tájékoztató jellegűek):

TO - 1



$$R_{ja} = 0,2-0,4 \text{ } ^\circ\text{C/mW}$$

	l [mm]	L [mm]	D ₁ [mm]	D ₂ [mm]	D ₃ [mm]	d [mm]
TO-1 normál	10 $\pm$ 0,3	35 $^{+2}$	4,7 $\pm$ 0,1	6,1	2,5 $\pm$ 0,1	0,42 $\pm$ 0,05
TO-1 hosszu sapkával	14	39 $^{+2}$	4,7 $\pm$ 0,1	6,1	2,5 $\pm$ 0,1	0,42 $\pm$ 0,05
TO-1 nagy	10	35 $^{+2}$	5,9	6,8	2,5 $\pm$ 0,1	0,5 $\pm$ 0,05