

AF 106

Határértékek:

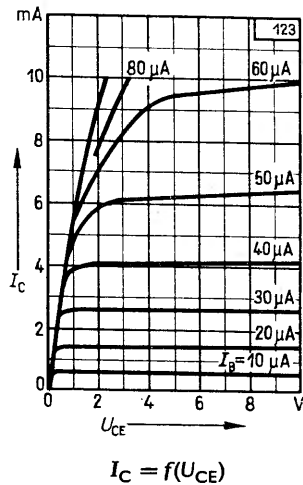
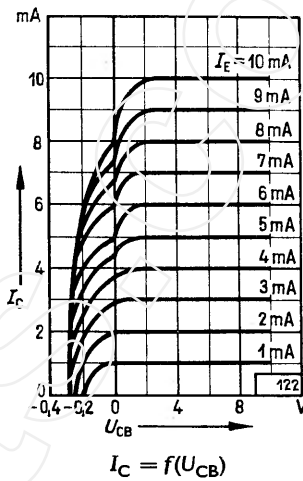
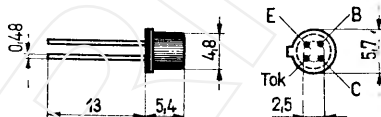
$P = 60 \text{ mW}$	$I_C = 10 \text{ mA}$
$\theta_a = 45^\circ \text{C}$	$\theta_j = 90^\circ \text{C}$
$U_{CBO} = 25 \text{ V}$	$R_{thja} = 750^\circ \text{C/W}$
$U_{CEO} = 18 \text{ V}$	$R_{thjc} = 400^\circ \text{C/W}$
$U_{EBO} = 0,3 \text{ V}$	$\theta_{stg} = -30 \dots +75^\circ \text{C}$

Jellemző adatok: $\theta_a = 25^\circ \text{C}$

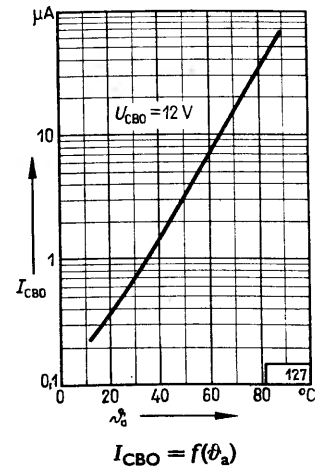
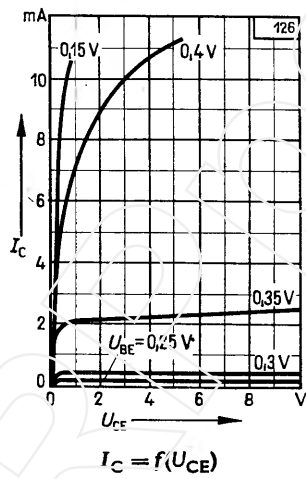
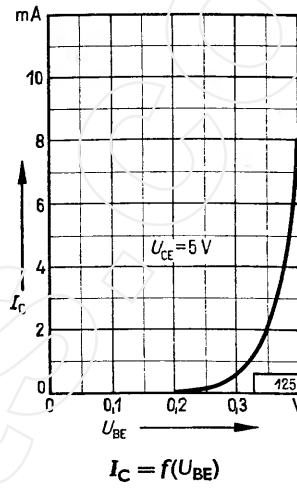
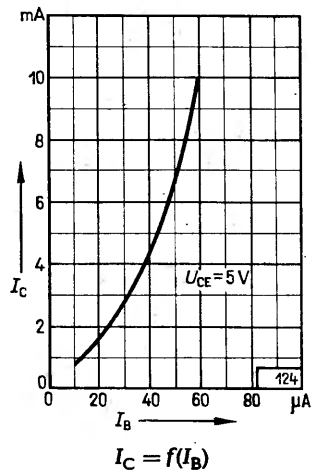
$I_{CBO} = 0,5 \dots 10 \mu\text{A}$ ($U_{CB} = 12 \text{ V}$)
$U_{(BR)CBO} \cong 25 \text{ V}$ ($I_C = 100 \mu\text{A}$)
$U_{(BR)CEO} \cong 18 \text{ V}$ ($I_C = 500 \mu\text{A}$)
$U_{(BR)EBO} = 0,3 \text{ V}$ ($I_E = 100 \mu\text{A}$)
$I_B = 20 \dots 40 \mu\text{A}$ ($U_{CE} = 12 \text{ V}$, $I_C = 1 \text{ mA}$)
$U_{(BR)EBO} \cong 0,28 \dots 0,4 \text{ V}$ ($U_{CE} = 12 \text{ V}$, $I_C = i \text{ mA}$)
$I_B = 29 \mu\text{A}$ ($U_{CE} = 6 \text{ V}$, $I_C = 2 \text{ mA}$)
$h_{21e} = 70$ ($U_{CE} = 6 \text{ V}$, $I_C = 2 \text{ mA}$)
$h_{21e} = 25 \dots 50$ ($U_{CE} = 12 \text{ V}$, $I_C = 1 \text{ mA}$)
$f_T = 220 \text{ MHz}$ ($U_{CE} = 12 \text{ V}$, $I_C = 1 \text{ mA}$)
$f_{max} \cong 1,2 \text{ GHz}$
$F = 5,5 \dots 7,5 \text{ dB}$ [$f = 200 \text{ MHz}$, $R_{ger.} = 60 \Omega$, $U_{CE} = 12 \text{ V}$, $I_C = 1 \text{ mA}$]

Munkapontok:

U_{CB}	I_C	I_B	h_{21E}	U_{BR}
12	1	20 < 40	50 < 25	0,325 (0,25 < 0,38)
6	2	29	70	0,34 (0,28 < 0,4)
V	mA	μA	I_C/I_B	V



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