OC 1045

Határértékek:

$\left[\begin{array}{l} P_{tot} = 50\ \text{mW} \\ (\vartheta_c = 45\ °\text{C}) \end{array}\right]$ $\left[\begin{array}{l} U_{CER} = 15\ \text{V} \\ (R_{BE} = 2\ \Omega) \end{array}\right]$

$U_{CBO} = 15$ V $I_C = 10$ mA

$U_{EBO} = 12$ V $\vartheta_j = 75$ °C

$U_{CEO} = 5$ V $R_{thja} = 0{,}6$ °C/mW

$\vartheta_{stg} = -55 \ldots +75$ °C

Jellemző adatok: $\vartheta_j = 25$ °C

Báziskapcsolásban

$I_{CBO} = 0{,}5 < 2\ \mu\text{A}$ $(U_{CB} = 2\ \text{V})$

$I_{CBO} \leqq 10\ \mu\text{A}$ $(U_{CB} = 15\ \text{V})$

$I_{EBO} = 0{,}4 < 2\ \mu\text{A}$ $(U_{EB} = 2\ \text{V})$

$I_{EBO} \leqq 40\ \mu\text{A}$ $(U_{EB} = 12\ \text{V})$

$f_\alpha = 6\ (3 \ldots 12)$ MHz $(U_{CB} = 6\ \text{V},\ I_E = 1\ \text{mA})$

$f_T = 6$ MHz

Emitterkapcsolásban

$I_{CEO} = 12 < 40\ \mu\text{A}$ $(U_{CE} = 2\ \text{V})$

$U_{BE} = 170\ (145 \ldots 195)$ mV $(U_{CE} = 6\ \text{V},\ I_E = 1\ \text{mA})$

$h_{21e} = 50\ (25 \ldots 125)$ $(U_{CE} = 6\ \text{V},\ I_E = 1\ \text{mA},\ f = 1\ \text{kHz})$

Emitterkapcsolásban

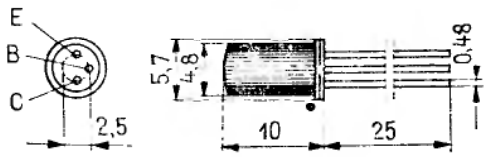
$U_{CE} = 6$ V $I_E = 1$ mA, $\vartheta_a = 25$ °C

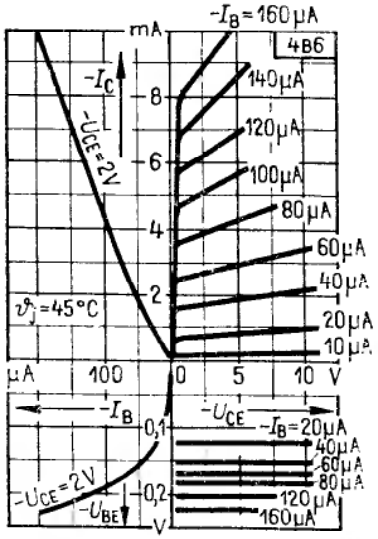
$C_{b'c} = 1000$ pF $g_{b'c} = 0{,}5\ \mu\text{S}$

$C_{b'c} = 7 \ldots 14$ pF $g_m = 39$ mS

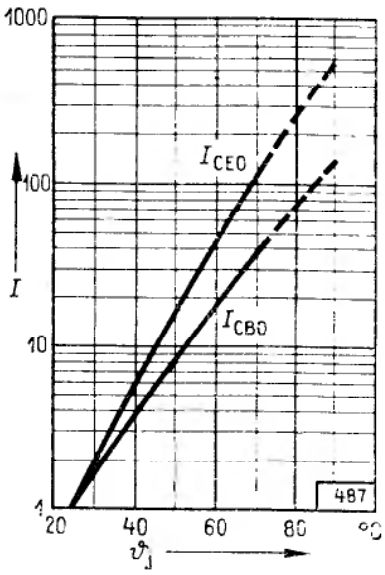
$g_{b'c} = 760\ \mu\text{S}$ $g_{ce} = 15 \ldots 40\ \mu\text{S}$

$r_{bb'} = 75 \ldots 200\ \Omega$





Általános jelleggörbe



$I_{CBO} = f(\vartheta_j)$