

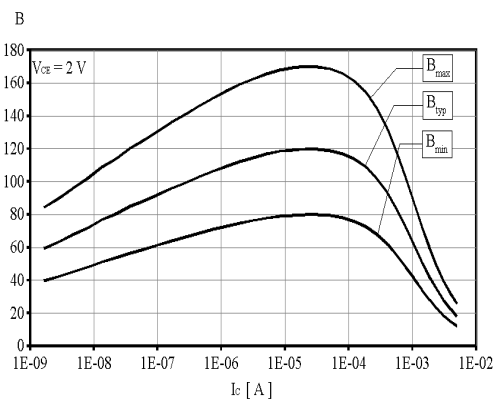
# NPN TRANSISTORS

A variety of NPN transistors is available:

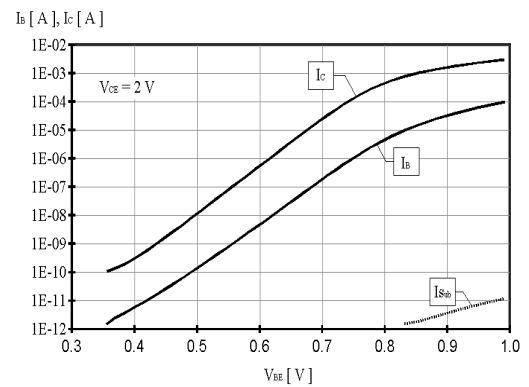
- ◆ Power transistors up to approx. 1A pulsed
- ◆ Super beta transistor with current gain of 1500, typically
- ◆ SPICE models are available

## Specifications of the U6N1B

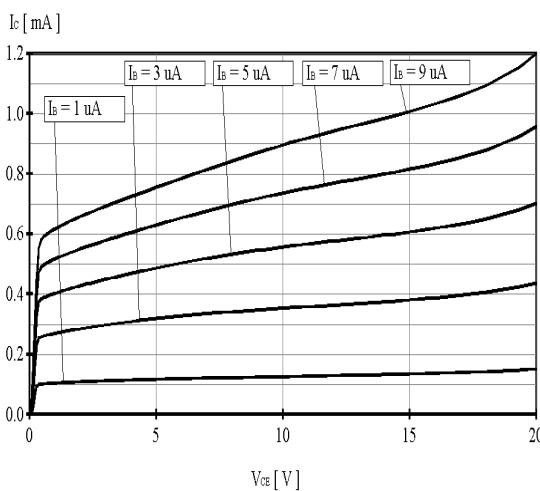
	Conditions	min.	typ.	Unit
Forward current gain	$I_C = 10\mu A$	80	120	
Collector emitter breakdown voltage $V_{CE0}$	$I_C = 10\mu A, I_B = 0$	25		V
Collector substrate breakdown voltage	$I_C = 10\mu A, I_B = 0, I_E = 0$	35		V
Transit frequency $f_T$	$I_C = 0.2mA, V_{CE} = 10V$		3	GHz



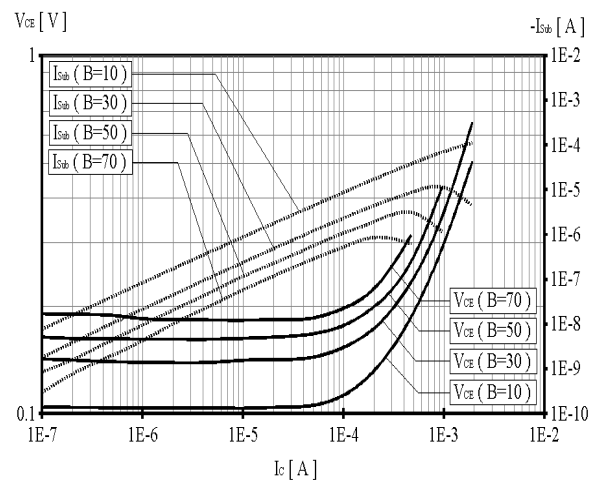
Current gain characteristics of the U6N1B



Currents of collector, base and substrate for the U6N1B



Output characteristics of the U6N1B



Saturation characteristics of the U6N1B