

Short description of the measurements  
with the Transistor Tester  
Version 1.11k

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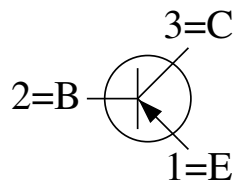
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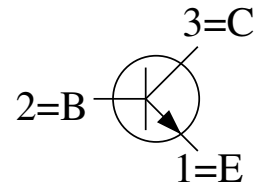
# Chapter 1

## Beschreibung der BJT-Messungen

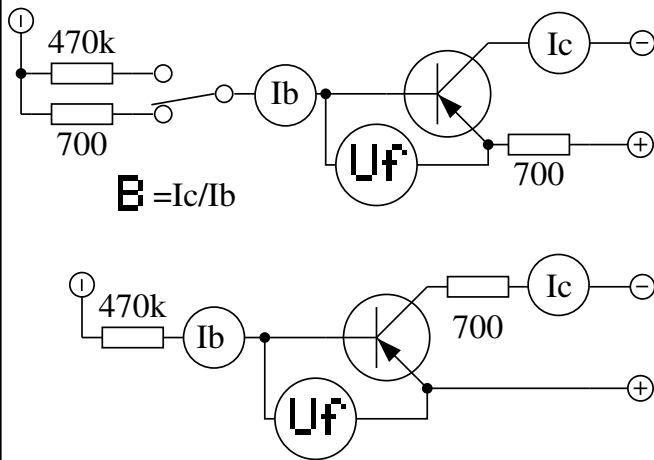
BC640



BC639

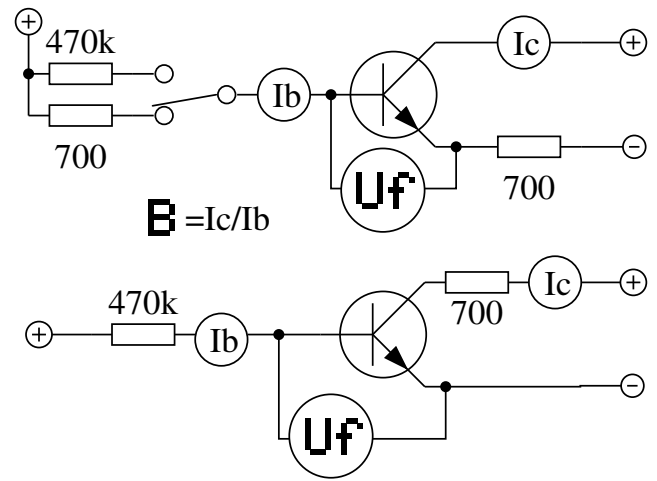


PNP 123=EBC  
 $B=185$   $U_f=607\text{mV}$



(a) PNP

NPN 123=EBC  
 $B=216$   $U_f=632\text{mV}$



(b) NPN

Figure 1.1. Bipolar Silizium transistors

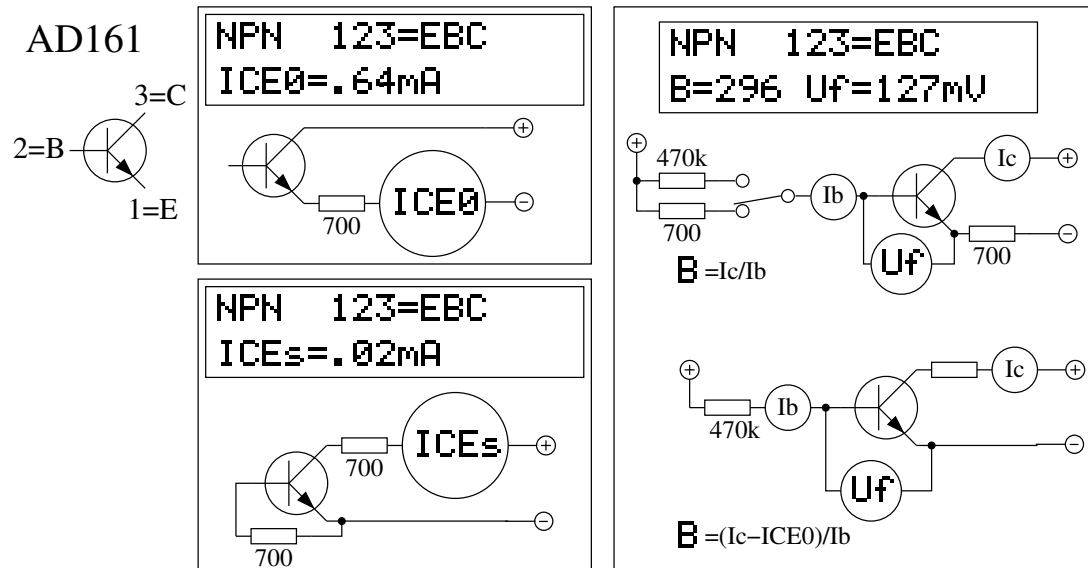


Figure 1.2. NPN Germanium transistor

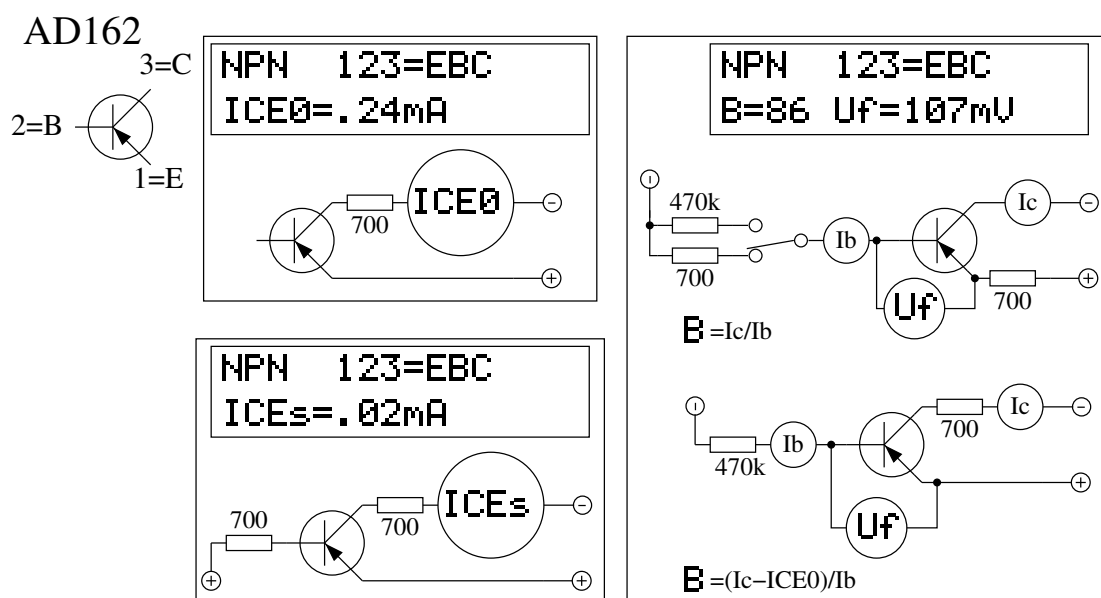
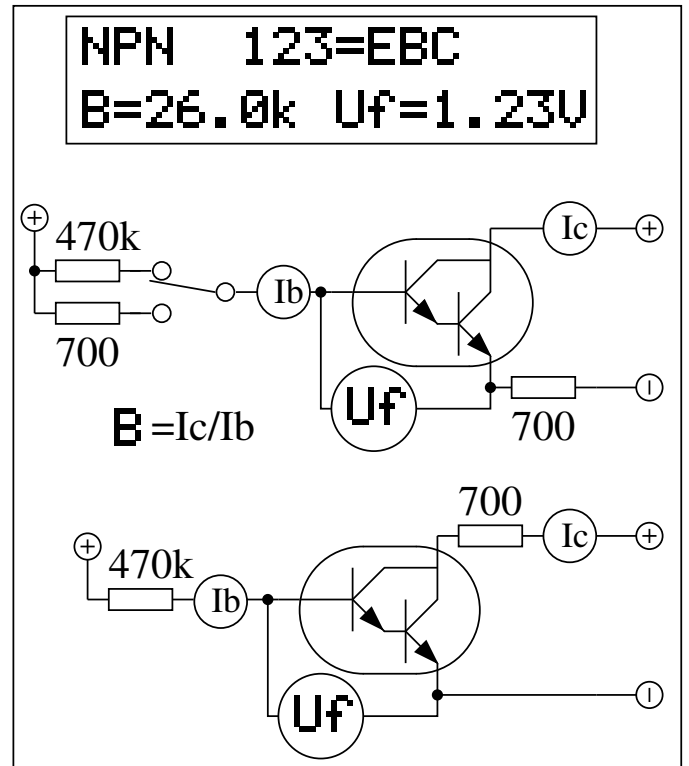
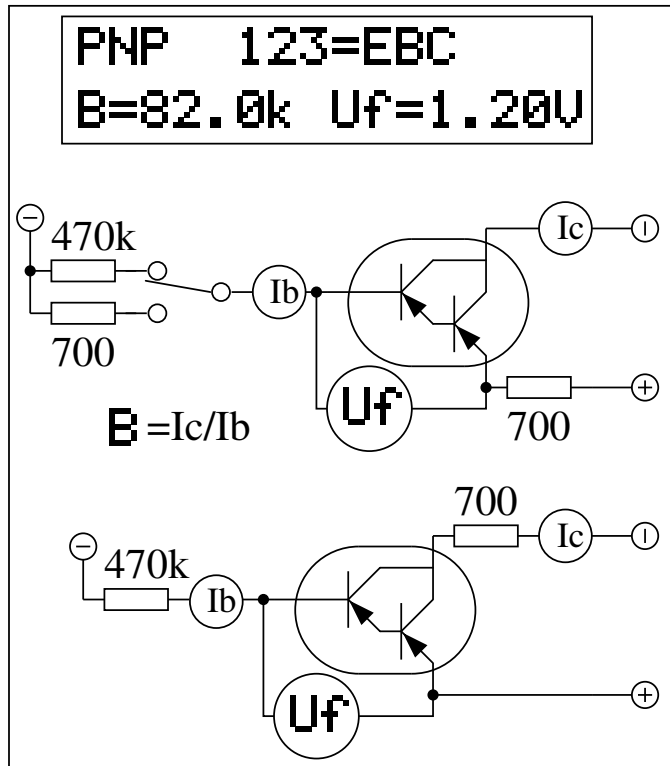
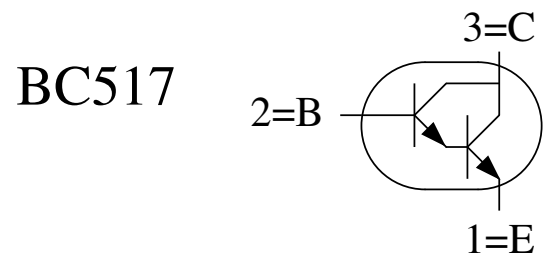
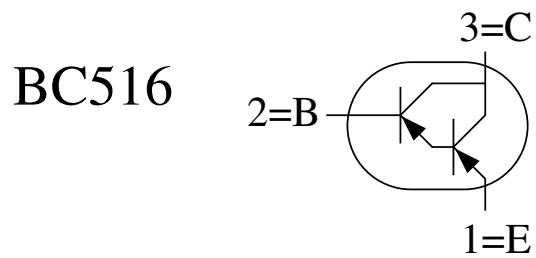


Figure 1.3. PNP-Germanium-Transistor



(a) PNP

(b) NPN

Figure 1.4. Silizium Darlington transistors

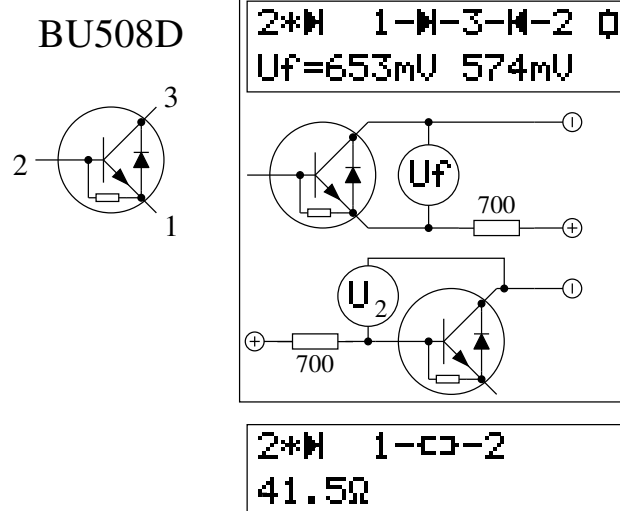
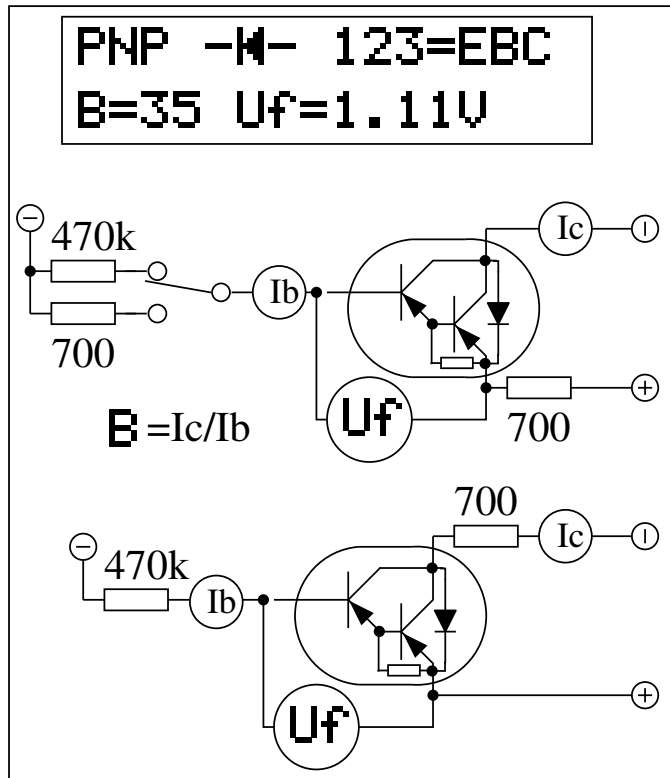
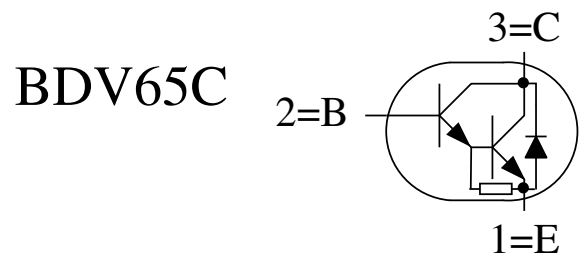
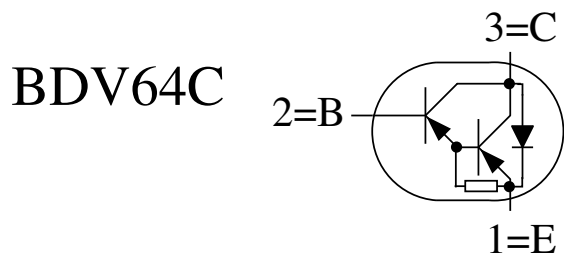
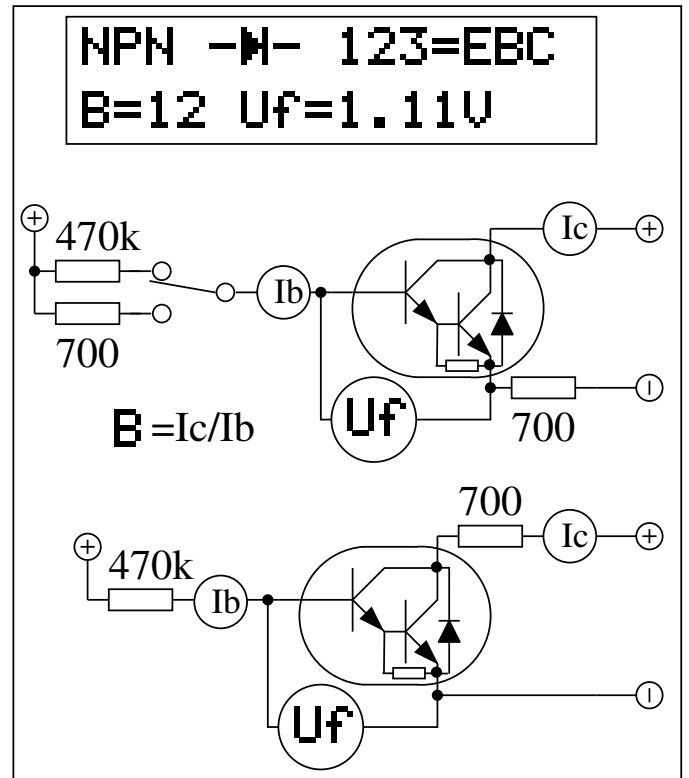


Figure 1.5. NPN-Transistor with diode and resistor



(a) PNP



(b) NPN

Figure 1.6. Silizium Darlington transistors

# Chapter 2

## Description of MOSFET measurements

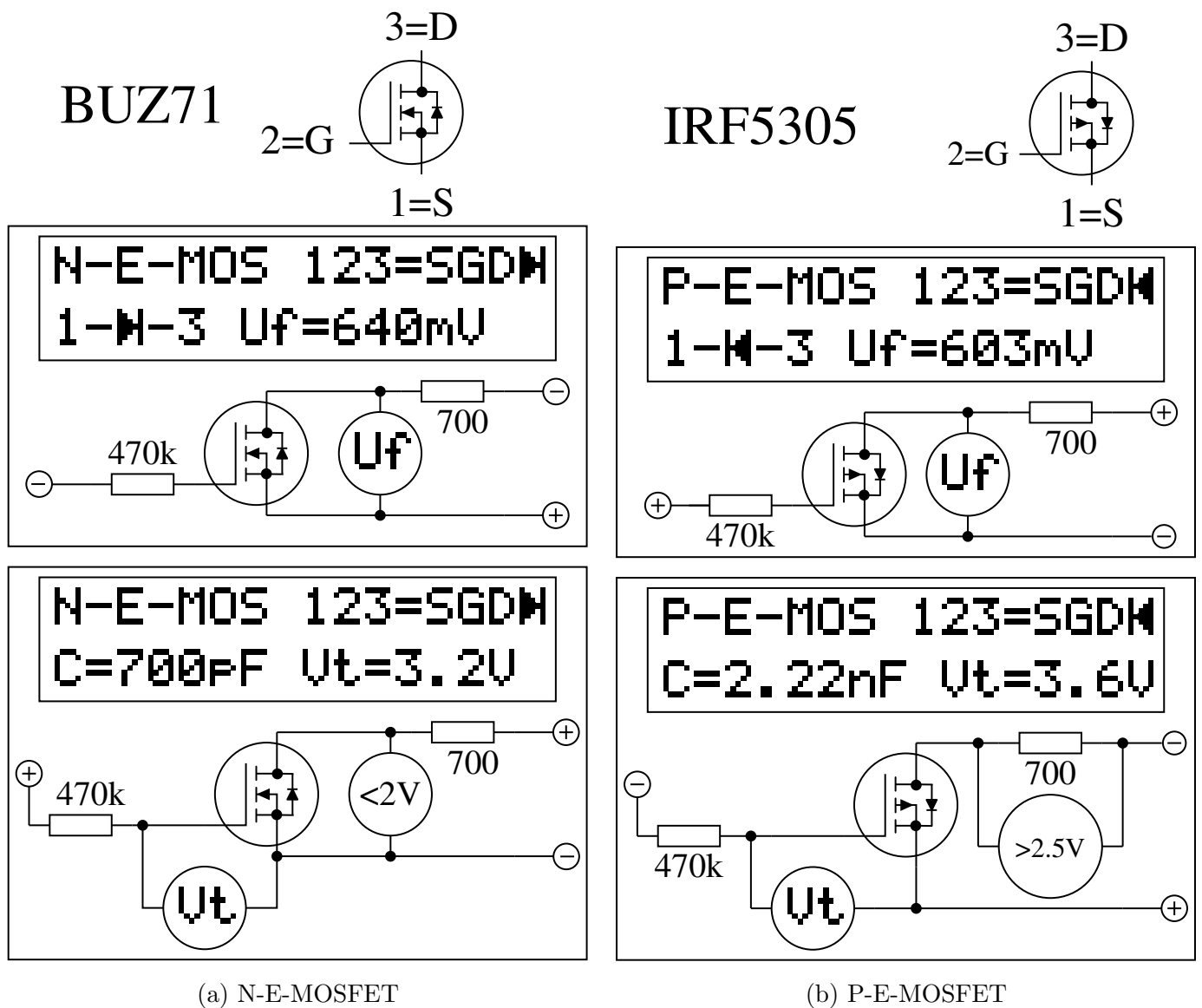


Figure 2.1. Enhancement MOSFET transistors

BSS169

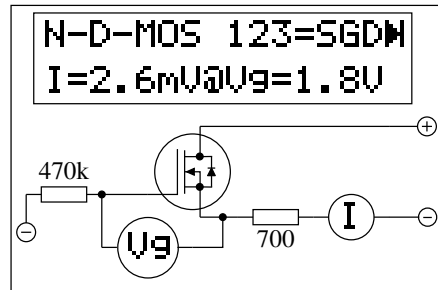
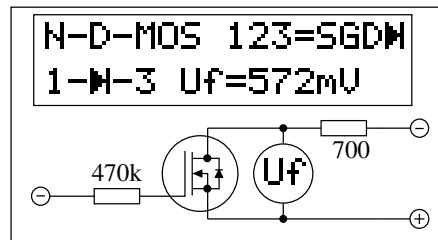
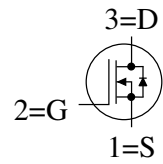
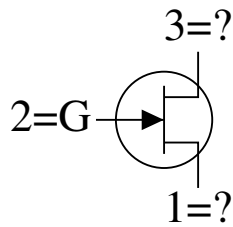
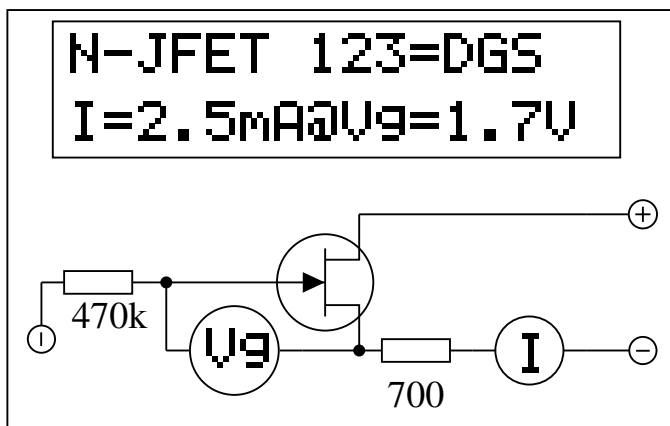
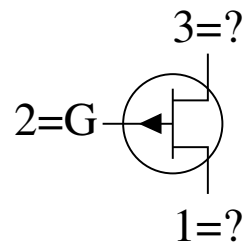


Figure 2.2. N-D-MOSFET

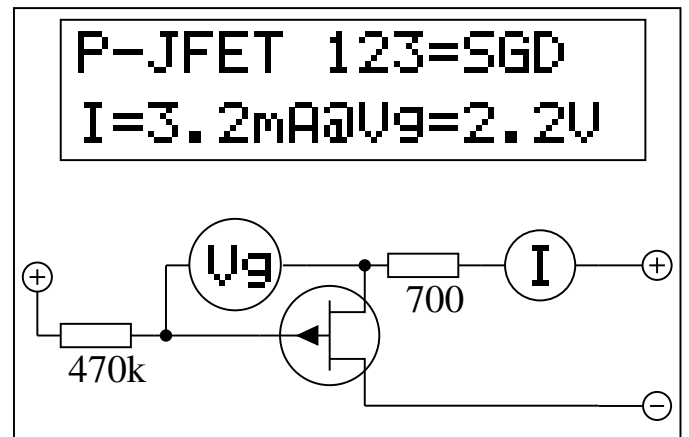
BF245



J175



(a) N-JFET



(b) P-JFET

Figure 2.3. JFET transistors



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