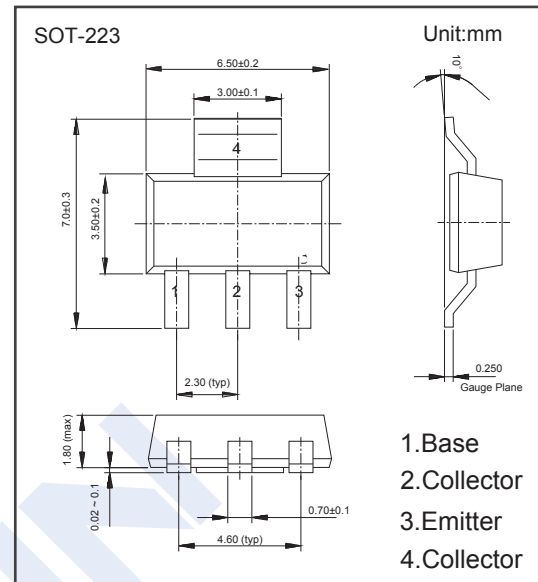
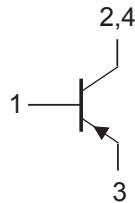


## PNP Transistors 2KB4017

### ■ Features

- High current (max. 1 A)
- Medium power (max. 1.3 W).
- Complements to 2KD3009



### ■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Collector - Base Voltage	$V_{CB0}$	-100	V
Collector - Emitter Voltage	$V_{CE0}$	-80	
Emitter - Base Voltage	$V_{EB0}$	-5	
Collector Current - Continuous	$I_C$	-1	A
Collector Current - Pulse	$I_{CP}$	-1.5	
Base Current - Pulse	$I_{BP}$	-0.2	
Collector Power Dissipation	$P_C$	1.3	W
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	95	$^\circ\text{C}/\text{W}$
Thermal Resistance from Junction to Soldering Point	$R_{\theta JS}$	14	
Junction Temperature	$T_J$	150	$^\circ\text{C}$
Storage Temperature range	$T_{stg}$	-55 to 150	

## PNP Transistors

### 2KB4017

#### Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	$V_{CB0}$	$I_C = -100 \mu\text{A}$ , $I_E = 0$	-100			V
Collector- emitter breakdown voltage	$V_{CE0}$	$I_C = -1 \text{ mA}$ , $I_B = 0$	-80			
Emitter - base breakdown voltage	$V_{EB0}$	$I_E = -100 \mu\text{A}$ , $I_C = 0$	-5			
Collector-base cut-off current	$I_{CB0}$	$V_{CB} = -80 \text{ V}$ , $I_E = 0$			-100	nA
Emitter cut-off current	$I_{EB0}$	$V_{EB} = -5 \text{ V}$ , $I_C = 0$			-100	nA
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -500 \text{ mA}$ , $I_B = -50 \text{ mA}$			-0.5	V
Base - emitter saturation voltage	$V_{BE(sat)}$	$I_C = -500 \text{ mA}$ , $I_B = -50 \text{ mA}$			-1.2	
Base - emitter voltage	$V_{BE}$	$V_{CE} = -2 \text{ V}$ , $I_C = -500 \text{ mA}$			-1	
DC current gain	$h_{FE}$	$V_{CE} = -2 \text{ V}$ , $I_C = -5 \text{ mA}$	40			
		$V_{CE} = -2 \text{ V}$ , $I_C = -150 \text{ mA}$	63		250	
		$V_{CE} = -2 \text{ V}$ , $I_C = -500 \text{ mA}$	25			
Transition frequency	$f_T$	$V_{CE} = -5 \text{ V}$ , $I_C = -10 \text{ mA}$ , $f = 100 \text{ MHz}$		115		MHz

#### Marking

Marking	2KE K****
---------	--------------

#### Typical Characteristics

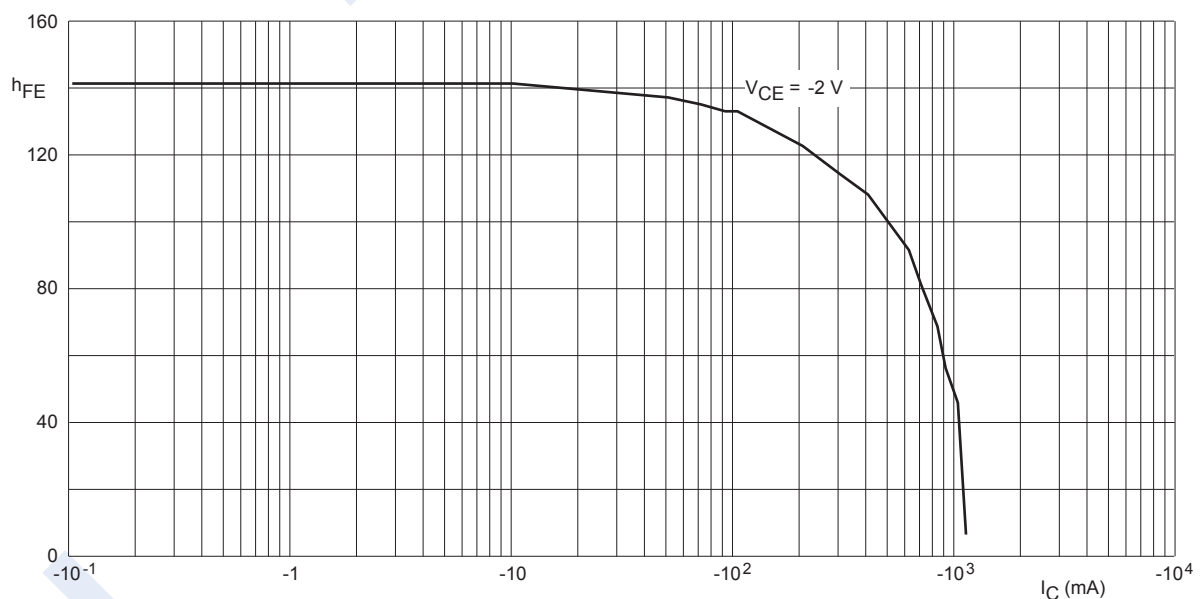


Fig.1 DC current gain; typical values.