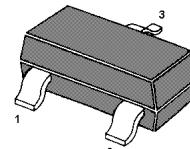
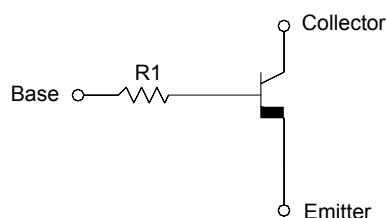


## PNP Silicon Epitaxial Planar Transistor

for switching and interface circuit and  
drive circuit applications

### Features

- With built-in bias resistors
- Simplify circuit design
- Reduce a quantity of parts and manufacturing process



1.Base 2.Emitter 3.Collector  
SOT-23 Plastic Package

### Absolute Maximum Ratings ( $T_a = 25^\circ C$ )

Parameter	Symbol	Value	Unit
Collector Base Voltage	$-V_{CBO}$	50	V
Collector Emitter Voltage	$-V_{CEO}$	50	V
Emitter Base Voltage	$-V_{EBO}$	5	V
Collector Current	$-I_C$	100	mA
Power Dissipation	$P_{tot}$	200	mW
Junction Temperature	$T_j$	150	$^\circ C$
Storage Temperature Range	$T_s$	- 55 to + 150	$^\circ C$

### Characteristics at $T_a = 25^\circ C$

Parameter	Symbol	Min.	Typ.	Max.	Unit
DC Current Gain at $-V_{CE} = 5 V$ , $-I_C = 1 mA$	$h_{FE}$	120	-	-	-
Collector Cutoff Current at $-V_{CB} = 50 V$	$-I_{CBO}$	-	-	100	nA
Emitter Cutoff Current at $-V_{EB} = 5 V$	$-I_{EBO}$	-	-	100	nA
Collector Emitter Saturation Voltage at $-I_C = 10 mA$ , $-I_B = 0.5 mA$	$-V_{CE(sat)}$	-	-	0.3	V
Transition Frequency at $-V_{CE} = 10 V$ , $-I_C = 5 mA$	$f_T$	-	250	-	MHz
Input Resistor	$R_1$	-	4.7	-	
		-	10	-	
		-	100	-	KΩ
		-	22	-	
		-	47	-	