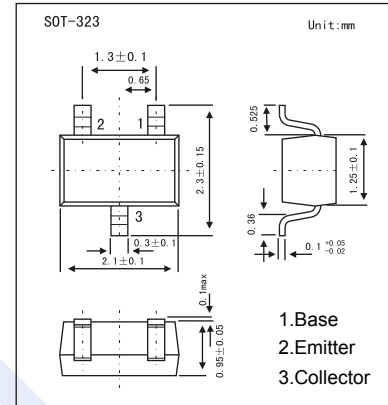


## PNP Transistors

### 2SA1579

#### ■ Features

- High breakdown voltage. ( $BV_{CEO} = -120V$ )
- Complements the 2SC4102.



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

Parameter	Symbol	Rating	Unit
Collector - Base Voltage	$V_{CBO}$	-120	V
Collector - Emitter Voltage	$V_{CEO}$	-120	
Emitter - Base Voltage	$V_{EBO}$	-5	
Collector Current - Continuous	$I_C$	-50	mA
Collector Power Dissipation	$P_C$	100	mW
Junction Temperature	$T_J$	150	$^\circ C$
Storage Temperature range	$T_{stg}$	-55 to 150	

#### ■ Electrical Characteristics $T_a = 25^\circ C$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	$V_{CBO}$	$I_C = -50 \mu A, I_E = 0$	-120			V
Collector- emitter breakdown voltage	$V_{CEO}$	$I_C = -1 mA, I_B = 0$	-120			
Emitter - base breakdown voltage	$V_{EBO}$	$I_E = -50 \mu A, I_C = 0$	-5			
Collector-base cut-off current	$I_{CBO}$	$V_{CB} = -100 V, I_E = 0$			-0.5	$\mu A$
Emitter cut-off current	$I_{EBO}$	$V_{EB} = -4 V, I_C = 0$			-0.5	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -10 mA, I_B = -1 mA$			-0.5	V
Base - emitter saturation voltage	$V_{BE(sat)}$	$I_C = -10 mA, I_B = -1 mA$			-1.2	
DC current gain	$h_{FE}$	$V_{CE} = -6V, I_C = -2mA$	180		560	
Collector output capacitance	$C_{ob}$	$V_{CB} = -12V, I_E = 0, f = 1MHz$		3.2		pF
Transition frequency	$f_T$	$V_{CE} = -12V, I_C = -2mA, f = 30MHz$		140		MHz

#### ■ Classification of $h_{FE}$

Type	2SA1579-R	2SA1579-S
Range	180-390	270-560
Marking	RR	RS

# PNP Transistors

## 2SA1579

### Typical Characteristics

