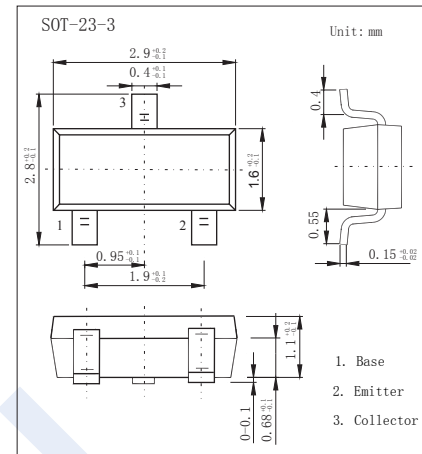


## PNP Transistors

### 2SA1434

#### ■ Features

- Adoption of FBET process.
- High DC current gain ( $h_{FE}=500$  to  $1200$ ).
- Low collector-to-emitter saturation voltage ( $V_{CE(sat)} \leq 0.5V$ ).
- High  $V_{EBO}$  ( $V_{EBO} \geq 15V$ ).



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

Parameter	Symbol	Rating	Unit
Collector-base voltage	$V_{CBO}$	-60	V
Collector-emitter voltage	$V_{CEO}$	-50	V
Emitter-base voltage	$V_{EBO}$	-15	V
Collector current	$I_C$	-100	mA
Collector current (pulse)	$I_{cp}$	-200	mA
Collector dissipation	$P_C$	200	mW
Junction temperature	$T_j$	125	$^\circ C$
Storage temperature	$T_{stg}$	-55 to +125	$^\circ C$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	$V_{CBO}$	$I_C = -100 \mu A, I_E = 0$	-60			V
Collector- emitter breakdown voltage	$V_{CEO}$	$I_C = -1mA, R_{BE} = \infty$	-50			
Emitter - base breakdown voltage	$V_{EBO}$	$I_E = -100 \mu A, I_C = 0$	-15			
Collector-base cut-off current	$I_{CBO}$	$V_{CB} = -40V, I_E = 0$			-100	nA
Emitter cut-off current	$I_{EBO}$	$V_{EB} = -10V, I_C = 0$			-100	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -50 mA, I_B = -1mA$		-0.2	-0.5	V
Base - emitter saturation voltage	$V_{BE(sat)}$	$I_C = -10 \mu A, I_B = -1mA$		-0.8	-1.1	
DC current gain	$h_{FE}$	$V_{CE} = -5V, I_C = -10mA$	500	800	1200	
Common base output capacitance	$C_{ob}$	$V_{CB} = -10V, f = 1MHz$		4.8		pF
Transition frequency	$f_T$	$V_{CB} = -10V, I_C = -10mA$		100		MHz

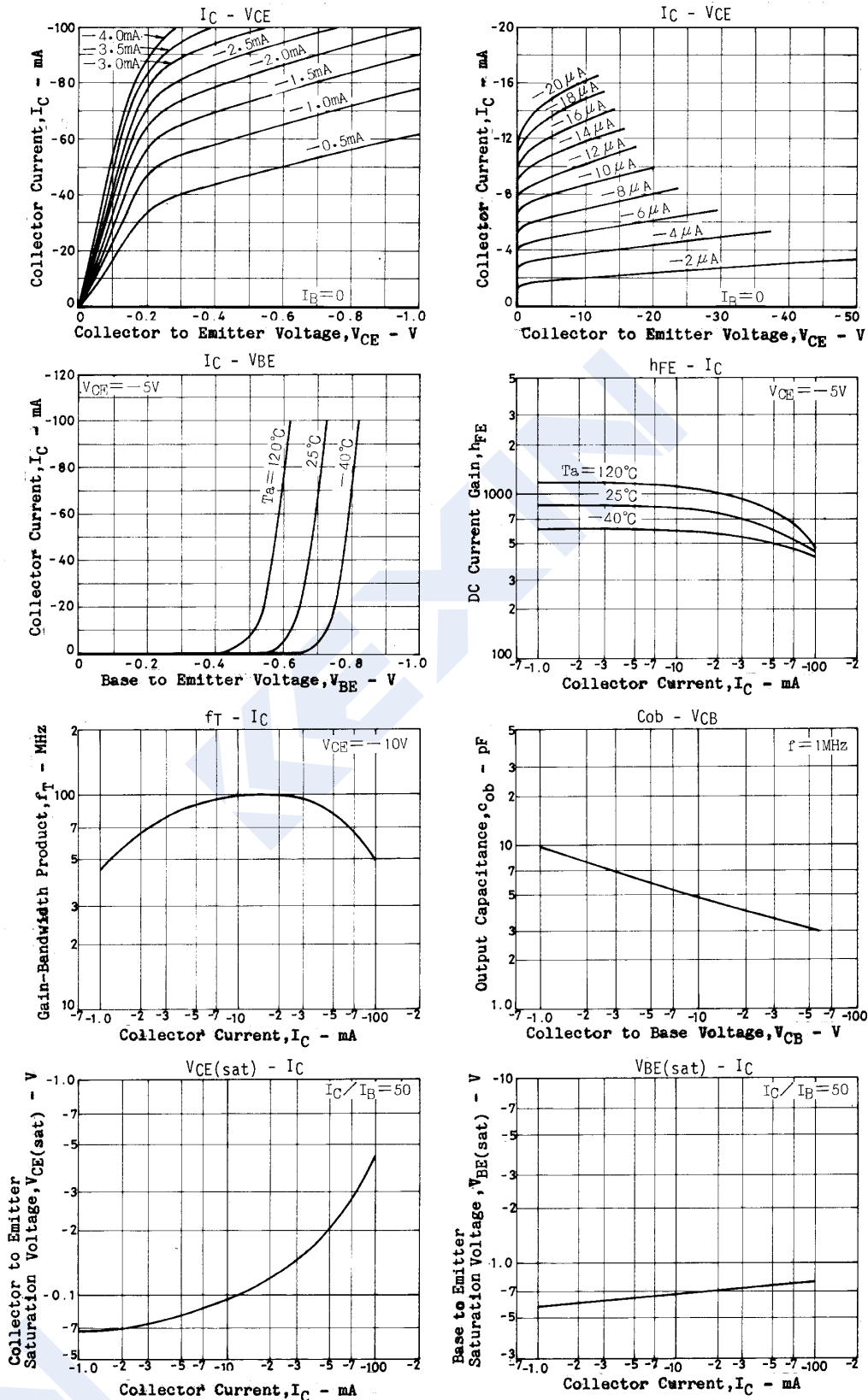
#### ■ Marking

Marking	FL
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# PNP Transistors

## 2SA1434

■ Typical Characteristics



## PNP Transistors 2SA1434

### ■ Typical Characteristics

