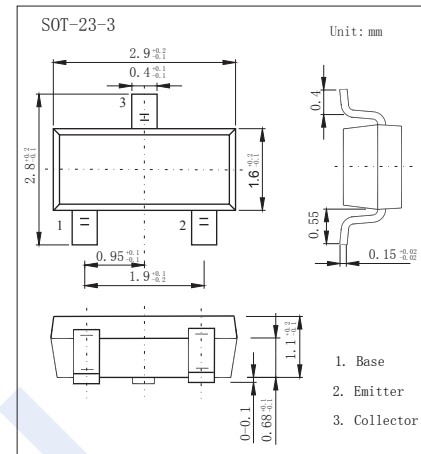


PNP Transistors

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

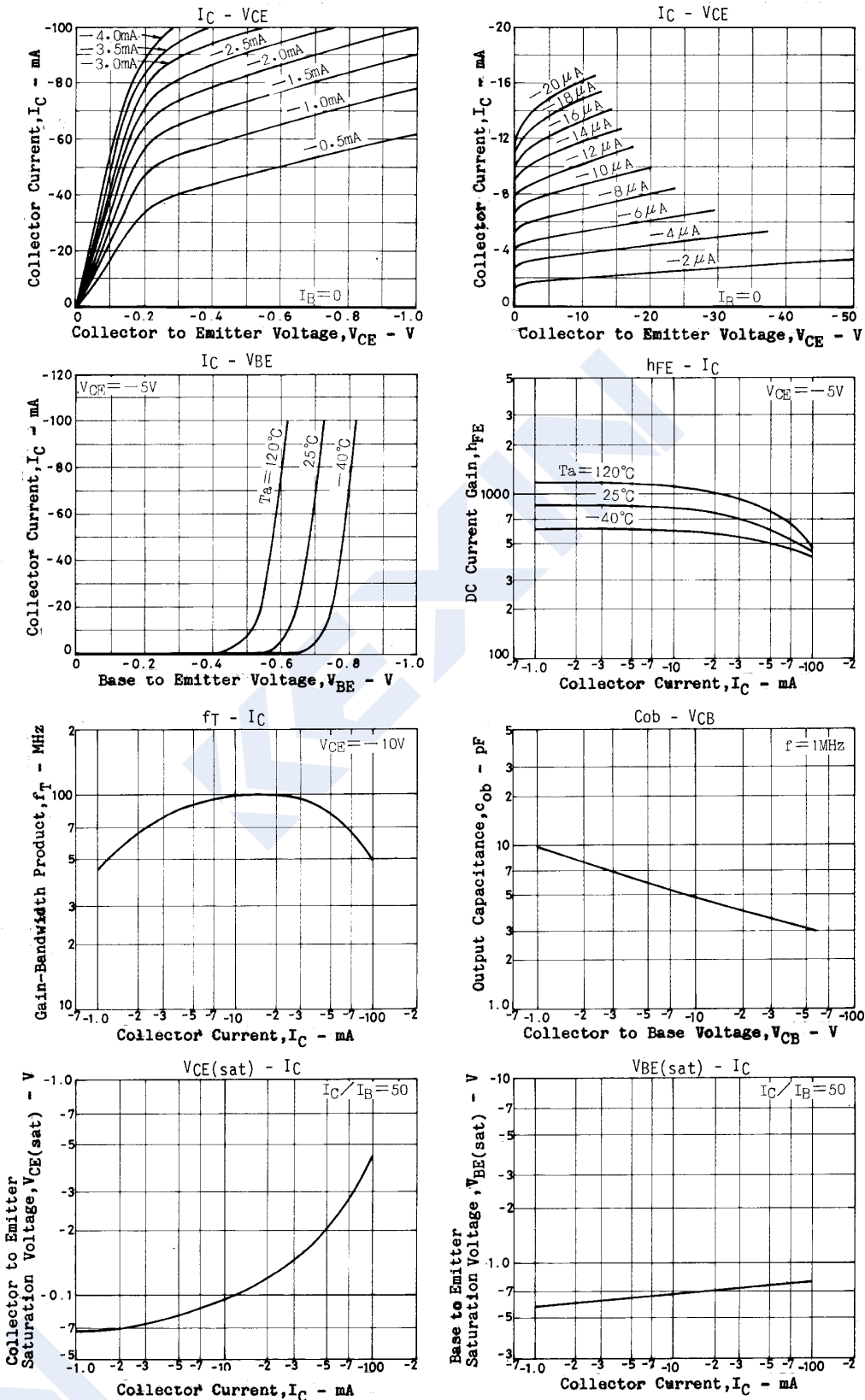
■ Marking

Marking	FL
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2SA1434

■ Typical Characteristics



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■ Typical Characteristics

