# 2SA1534, 2SA1534A

### Silicon PNP epitaxial planer type

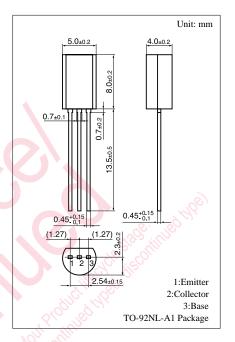
For low-frequency power amplification and driver amplification Complementary to 2SC3940 and 2SC3940A

#### Features

- Complementary pair with 2SC3940 and 2SC3940A.
- Allowing supply with the radial taping and automatic insertion possible.

#### Absolute Maximum Ratings (Ta=25°C)

Parameter		Symbol	Ratings	Unit	
Collector to	2SA1534	17	-30	V	
base voltage	2SA1534A	$V_{CBO}$	-60	V	
Collector to	2SA1534	V	-25	W	
emitter voltage	2SA1534A	$V_{CEO}$	-50	V	
Emitter to base voltage		$V_{EBO}$	-5	V	
Peak collector current		$I_{CP}$	-1.5	A	
Collector current		$I_{C}$	-1	A	
Collector power dissipation		$P_{C}$	1	W	
Junction temperature		$T_j$	150	°C	
Storage temperature		$T_{\mathrm{stg}}$	<b>−55</b> ~ <b>+150</b>	°C	



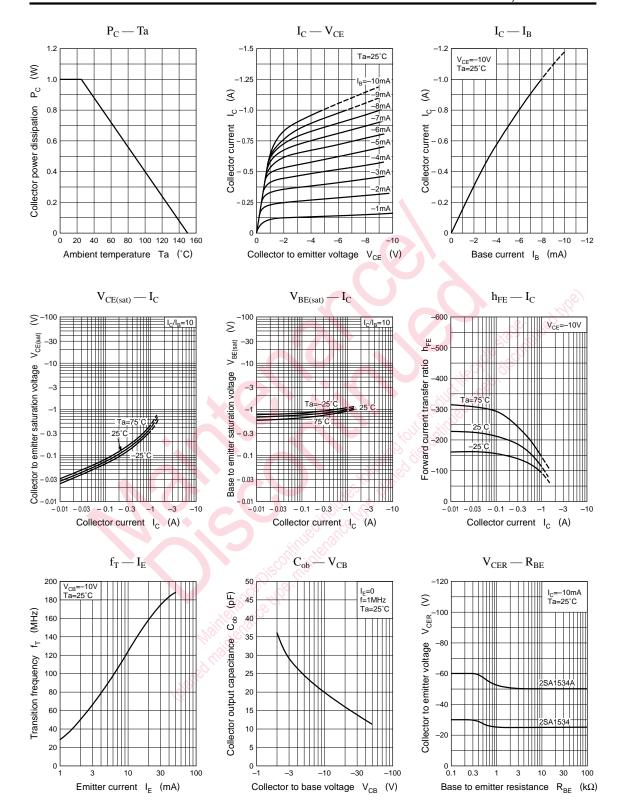
#### Electrical Characteristics (Ta=25°C)

Parameter		Symbol	Conditions	min	typ	max	Unit
Collector cutoff current		$I_{CBO}$	$V_{CB} = -20V, I_E = 0$			- 0.1	μΑ
Collector to base	2SA1534	V	1004 1 0	-30			v
voltage	2SA1534A	V <sub>CBO</sub>	$I_{\rm C} = -10 \mu A, I_{\rm E} = 0$	-60			
Collector to emitter	2SA1534	The Marine	$I_C = -2mA$ , $I_B = 0$	-25			V
voltage	2SA1534A	V <sub>CEO</sub>		-50			
Emitter to base voltage		V <sub>EBO</sub>	$I_E = -10\mu A, I_C = 0$	-5			V
Forward current transfer ratio		h <sub>FE1</sub> *	$V_{CE} = -10V, I_{C} = -500mA$	85		340	
		h <sub>FE2</sub>	$V_{CE} = -5V, I_{C} = -1A$	50			
Collector to emitter saturation voltage V		V <sub>CE(sat)</sub>	$I_C = -500 \text{mA}, I_B = -50 \text{mA}$		- 0.2	- 0.4	V
Base to emitter saturation voltage $V_{BI}$		V <sub>BE(sat)</sub>	$I_C = -500 \text{mA}, I_B = -50 \text{mA}$		- 0.85	-1.2	V
Transition frequency		$f_T$	$V_{CB} = -10V$ , $I_E = 50$ mA, $f = 200$ MHz		200		MHz
Collector output capacitance		C <sub>ob</sub>	$V_{CB} = -10V$ , $I_E = 0$ , $f = 1MHz$		20	30	pF

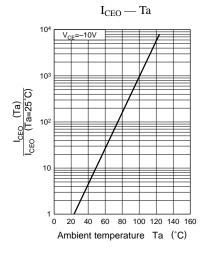
#### \*h<sub>FE1</sub> Rank classification

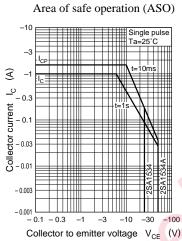
Rank	Q	R	S	
h <sub>FE1</sub>	85 ~ 170	120 ~ 240	170 ~ 340	

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