2SA1534, 2SA1534A

Silicon PNP epitaxial planer type

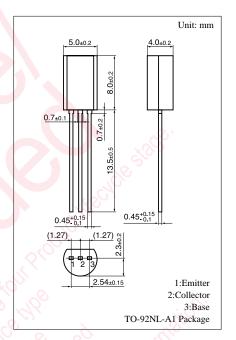
For low-frequency power amplification and driver amplification Complementary to 2SC3940 and 2SC3940A

Features

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

Absolute Maximum Ratings (Ta=25°C)

Parameter		Ratings	Unit	
2SA1534	V	-30	V	
2SA1534A	V _{CBO}	-60	V	
2SA1534	X.	-25	77	
2SA1534A	V _{CEO}	-50	V	
Emitter to base voltage		-5	V	
Peak collector current		-1.5	A	
Collector current		-1	A	
Collector power dissipation		1	W_O	
Junction temperature		150	°C	
Storage temperature		-55 ~ +150	C C	
	2SA1534 2SA1534A 2SA1534A 2SA1534A voltage urrent t	2SA1534 2SA1534A V _{CBO} V _{CBO} V _{CEO}	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	



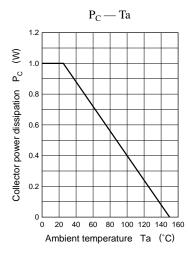
Electrical Characteristics (Ta=25°C)

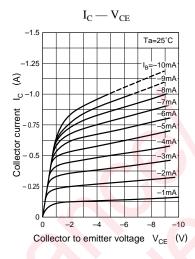
Paramete	er	Symbol	Conditions	min	typ	max	Unit
Collector cutoff curre	ent	I_{CBO}	$V_{CB} = -20V, I_E = 0$	Y 25	,	- 0.1	μA
Collector to base	2SA1534		I - 100 A I - 0	-30			V
voltage	2SA1534A	V_{CBO}	$I_{\rm C} = -10\mu A, I_{\rm E} = 0$	-60			
Collector to emitter	2SA1534	V_{CEO} $I_C = -2mA$, $I_B = 0$		-25			V
voltage	2SA1534A			-50			
Emitter to base volta	ge	V _{EBO}	$I_{\rm E} = -10\mu A, I_{\rm C} = 0$	-5			V
Forward current transfer ratio		h _{FE1} *	$V_{CE} = -10V$, $I_C = -500$ mA	85		340	
Forward current trans	sier ratio	h _{FE2}	h_{FE2} $V_{CE} = -5V, I_{C} = -1A$				
Collector to emitter sat	uration voltage	V _{CE(sat)}	$I_C = -500 \text{mA}, I_B = -50 \text{mA}$		- 0.2	- 0.4	V
Base to emitter satura	ation voltage	V _{BE(sat)}	$I_C = -500 \text{mA}, I_B = -50 \text{mA}$		- 0.85	-1.2	V
Transition frequency		f_T	$V_{CB} = -10V$, $I_E = 50$ mA, $f = 200$ MHz		200		MHz
Collector output capa	acitance	C _{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$		20	30	pF

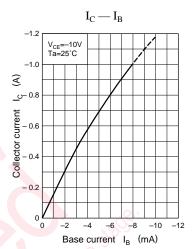
*h_{FE1} Rank classification

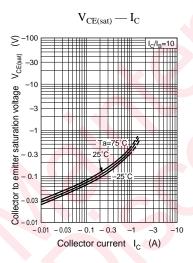
Rank	Q	R	S	
h _{FE1}	85 ~ 170	120 ~ 240	170 ~ 340	

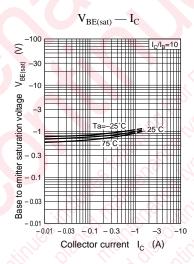
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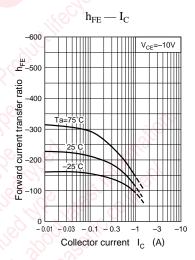


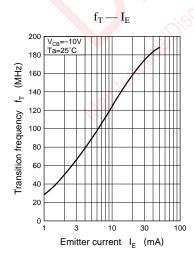


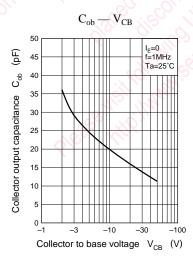


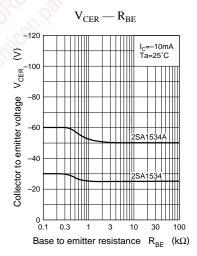




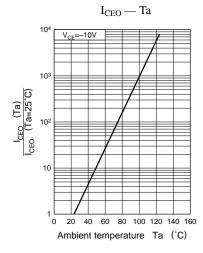


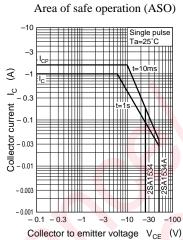






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