2SA1534, 2SA1534A

Silicon PNP epitaxial planer type

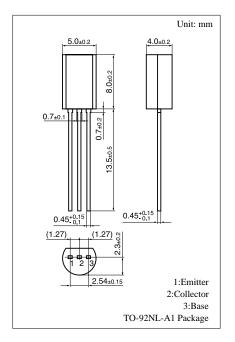
For low-frequency power amplification and driver amplification Complementary to 2SC3940 and 2SC3940A

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		
Collector to	2SA1534	77	-25	V 7	
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_{stg}	−55 ~ +150	°C	



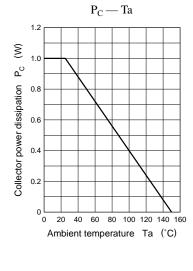
Electrical Characteristics (Ta=25°C)

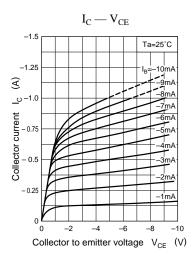
Parameter		Symbol	Conditions	min	typ	max	Unit
Collector cutoff current		I _{CBO}	$V_{CB} = -20V, I_E = 0$			- 0.1	μΑ
Collector to base	2SA1534	N/	I 10A I 0	-30			v
voltage	2SA1534A	V _{CBO}	$I_{\rm C} = -10\mu A, I_{\rm E} = 0$	-60			
Collector to emitter	2SA1534	***	$I_C = -2mA$, $I_B = 0$	-25			V
voltage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

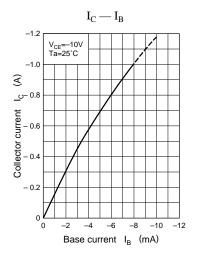
*h_{FE1} Rank classification

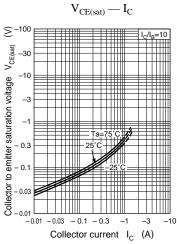
Rank	Q	R	S	
h _{FE1}	85 ~ 170	120 ~ 240	170 ~ 340	

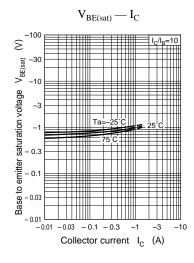
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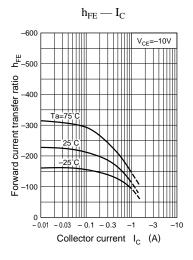


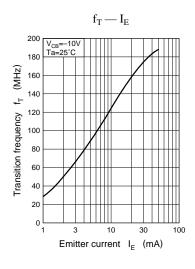


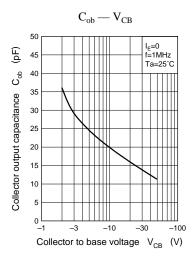


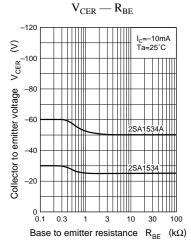




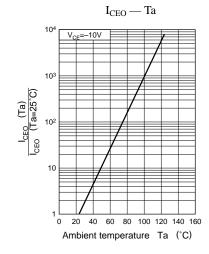


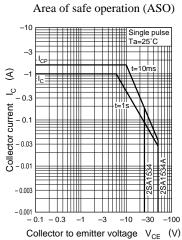






134 Panasonic





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