2SA0794, 2SA0794A (2SA794, 2SA794A)

Silicon PNP epitaxial planar type

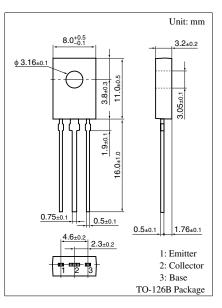
For low-frequency output driver Complementary to 2SC1567 and 2SC1567A

Features

- \bullet High collector to emitter voltage V_{CEO}
- Optimum for the driver stage of low-frequency and 40 W to 100 W output amplifier
- TO-126B package which requires no insulation plate for installation to the heat sink

Parameter		Symbol	Rating	Unit
Collector to base	2SA0794	V _{CBO}	-100	V
voltage	2SA0794A		-120	
Collector to	2SA0794	V _{CEO}	-100	V
emitter voltage	2SA0794A		-120	
Emitter to base voltage		V _{EBO}	-5	V
Peak collector current		I _{CP}	-1	А
Collector current		I _C	- 0.5	А
Collector power dissipation		P _C	1.2	W
Junction temperature		Tj	150	°C
Storage temperatu	re	T _{stg}	-55 to +150	°C

Absolute Maximum Ratings $T_C = 25^{\circ}C$



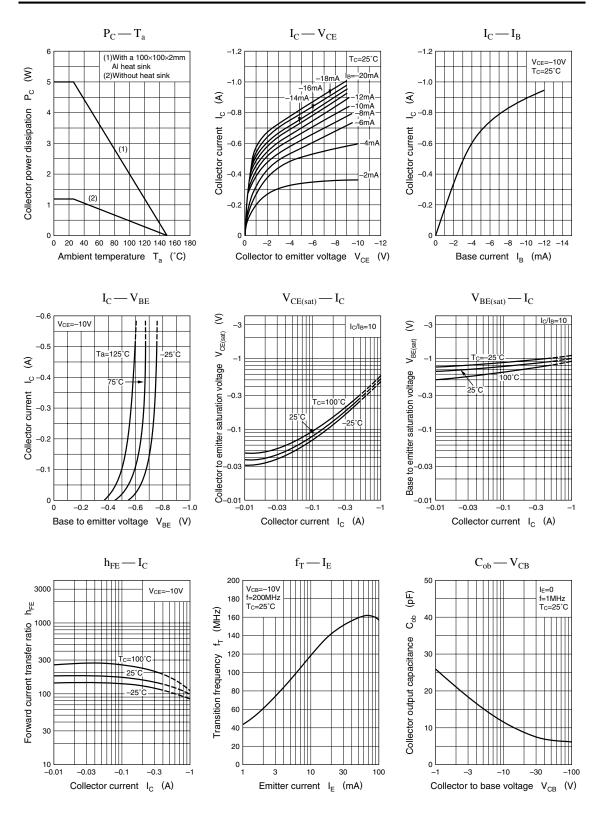
Electrical Characteristics $T_C = 25^{\circ}C$

Parameter	r	Symbol	Conditions	Min	Тур	Max	Unit
Collector to emitter	2SA0794	V _{CEO}	$I_{\rm C} = -100 \ \mu A, \ I_{\rm B} = 0$	-100			V
voltage	2SA0794A			-120			
Emitter to base voltage	;	V_{EBO}	$I_{\rm E} = -1 \ \mu A, \ I_{\rm C} = 0$	-5			V
Forward current transfer ratio		h _{FE1} *	$V_{CE} = -10 \text{ V}, I_C = -150 \text{ mA}$	90	160	220	
		h _{FE2}	$V_{CE} = -5 \text{ V}, \text{ I}_{C} = -500 \text{ mA}$	50	100		
Collector to emitter satu	ration voltage	V _{CE(sat)}	$I_{\rm C} = -500 \text{ mA}, I_{\rm B} = -50 \text{ mA}$		- 0.2	- 0.4	V
Base to emitter saturat	ion voltage	V _{BE(sat)}	$I_{\rm C} = -500 \text{ mA}, I_{\rm B} = -50 \text{ mA}$		- 0.85	-1.2	V
Transition frequency		\mathbf{f}_{T}	$V_{CB} = -10 \text{ V}, I_E = 50 \text{ mA}, f = 200 \text{ MHz}$		120		MHz
Collector output capacitance		C _{ob}	$V_{CB} = -10 \text{ V}, I_E = 0, f = 1 \text{ MHz}$		20	30	pF

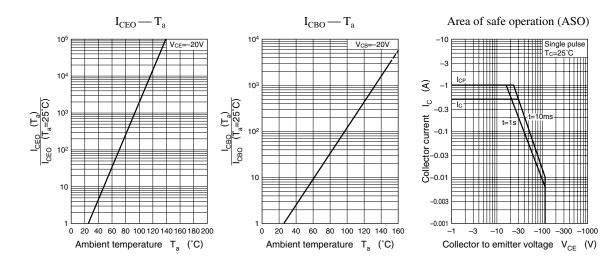
Note) *: Rank classification

Rank	Q	R		
h _{FE1}	90 to 155	130 to 220		

Note.) The Part numbers in the Parenthesis show conventional part number.



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