2SA0879 (2SA879)

Silicon PNP epitaxial planar type

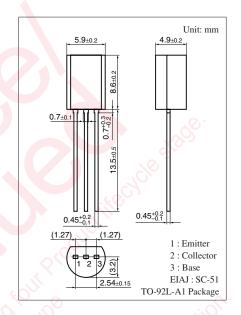
For general amplification Complementary to 2SC1573

■ Features

 \bullet High collector-emitter voltage (Base open) V_{CEO}

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Collector-base voltage (Emitter open)	V_{CBO}	-250	V
Collector-emitter voltage (Base open)	V _{CEO}	-200	V
Emitter-base voltage (Collector open)	V_{EBO}	-5	V
Collector current	I_{C}	-70	mA
Peak collector current	I_{CP}	-100	mA
Collector power dissipation	P_{C}	1	W
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C



■ Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-emitter voltage (Base open)	V _{CEO}	$I_{\rm C} = -100 \mu\text{A}, I_{\rm B} = 0$	-200	250		V
Emitter-base voltage (Collector open)	V_{EBO}	$I_E = -1 \mu A, I_C = 0$	-5			V
Forward current transfer ratio *	h_{FE}	$V_{CE} = -10 \text{ V}, I_{C} = -5 \text{ mA}$	60		220	_
Collector-emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = -50 \text{ mA}, I_{\rm B} = -5 \text{ mA}$			-1.5	V
Transition frequency	f_T	$V_{CB} = -10 \text{ V}, I_E = 10 \text{ mA}, f = 200 \text{ MHz}$	50	80		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10 \text{ V}, I_E = 0, f = 1 \text{ MHz}$		5	10	pF
(Common base, input open circuited)		" 10 Y.				

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

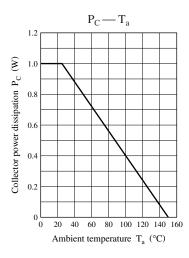
2. *: Rank classification

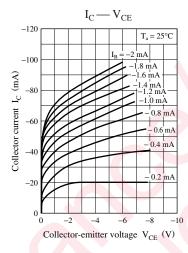
Rank	Q	R
h_{FE}	60 to 150	100 to 220

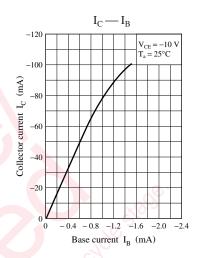
Note) The part number in the parenthesis shows conventional part number.

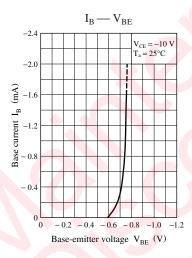
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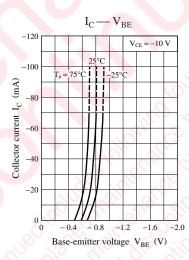
Panasonic

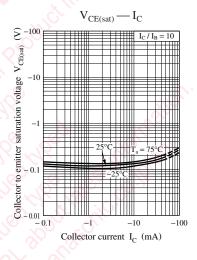


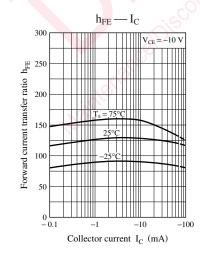


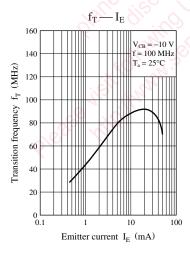


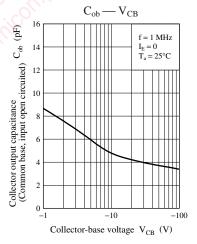




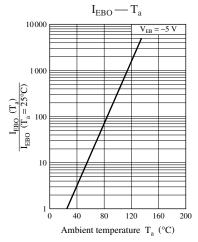


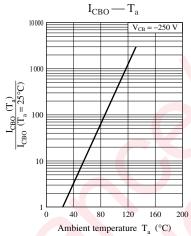


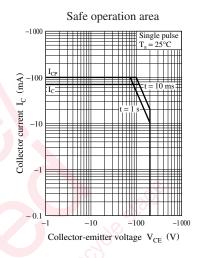




2 SJC00006BED







SJC00006BED 3

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