2SA1767

Silicon PNP epitaxial planar type

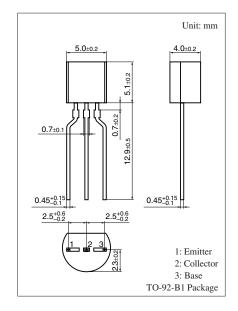
For general amplification Complementary to 2SC1473A

■ Features

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

■ Absolute Maximum Ratings $T_a = 25$ °C

Symbol	Rating	Unit
V _{CBO}	-300	V
V _{CEO}	-300	V
V _{EBO}	-5	V
I_{C}	-70	mA
I_{CP}	-100	mA
P _C	750	mW
Tj	150	°C
T_{stg}	-55 to +150	°C
	$\begin{array}{c} V_{CBO} \\ V_{CEO} \\ V_{EBO} \\ I_{C} \\ I_{CP} \\ P_{C} \\ T_{j} \end{array}$	$\begin{array}{c cccc} V_{CBO} & -300 \\ V_{CEO} & -300 \\ V_{EBO} & -5 \\ I_{C} & -70 \\ I_{CP} & -100 \\ P_{C} & 750 \\ T_{j} & 150 \\ \end{array}$



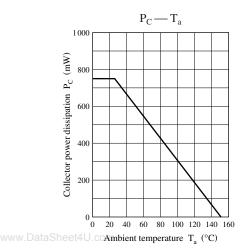
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

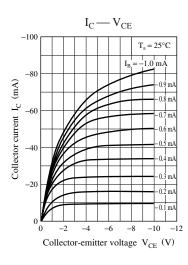
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-emitter voltage (Base open)	V _{CEO}	$I_C = -100 \ \mu A, I_B = 0$	-300			V
Emitter-base voltage (Collector open)	V _{EBO}	$I_E = -1 \mu A, I_C = 0$	-5			V
Forward current transfer ratio *	h _{FE}	$V_{CE} = -10 \text{ V}, I_{C} = -5 \text{ mA}$	30		150	_
Collector-emitter saturation voltage	V _{CE(sat)}	$I_C = -10 \text{ mA}, I_B = -1 \text{ mA}$			- 0.6	V
Transition frequency	f_T	$V_{CB} = -10 \text{ V}, I_E = 10 \text{ mA}, f = 200 \text{ MHz}$		50		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10 \text{ V}, I_E = 0, f = 1 \text{ MHz}$		7		pF
(Common base, input open circuited)						

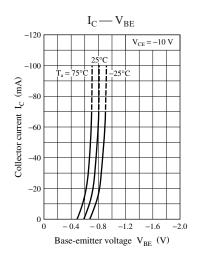
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

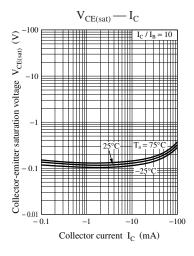
2. *: Rank classification

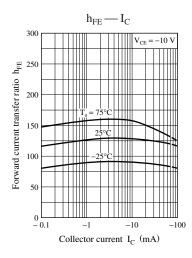
Rank	Р	Q
h_{FE}	30 to 100	60 to 150

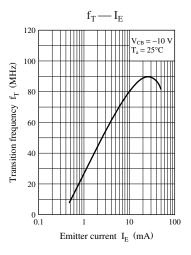


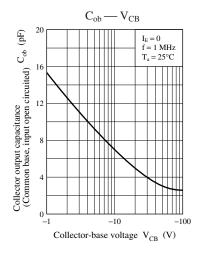


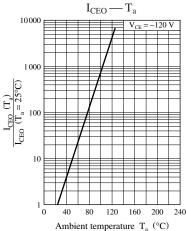












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