2SB0792 (2SB792), 2SB0792A (2SB792A)

Silicon PNP epitaxial planar type

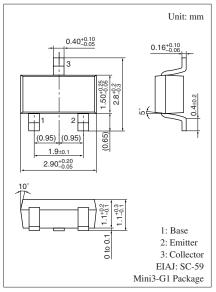
For high breakdown voltage low-noise amplification

■ Features

- ullet High collector-emitter voltage (Base open) V_{CEO}
- Low noise voltage NV
- Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing and the magazine packing

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Collector-base voltage	2SB0792	V _{CBO}	-150	V
(Emitter open)	2SB0792A		-185	
Collector-emitter voltage	2SB0792	V _{CEO}	-150	V
(Base open)	2SB0792A		-185	
Emitter-base voltage (Coll	V_{EBO}	-5	V	
Collector current	I_C	-50	mA	
Peak collector current	I_{CP}	-100	mA	
Collector power dissipation	P _C	200	mW	
Junction temperature	T_{j}	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	



Marking Symbol:

• 2SB0792: I

2SB0792A: 2F

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

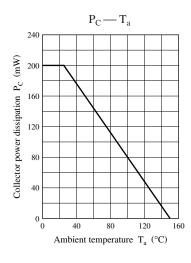
Parameter		Symbol	Conditions	Min	Тур	Max	Unit
Collector-emitter voltage	2SB0792	V _{CEO}	$I_C = -100 \mu\text{A}, I_B = 0$	-150			V
(Base open)	2SB0792A			-185			
Emitter-base voltage (Collector open)		V_{EBO}	$I_E = -10 \ \mu A, I_C = 0$	-5			V
Collector-base cutoff current (Emitter open)		I_{CBO}	$V_{CB} = -100 \text{ V}, I_E = 0$			-1	μΑ
Forward current transfer	2SB0792	h _{FE}	$V_{CE} = -5 \text{ V}, I_{C} = -10 \text{ mA}$	130		450	_
ratio *	2SB0792A			130		330	
Collector-emitter saturation voltage		V _{CE(sat)}	$I_C = -30 \text{ mA}, I_B = -3 \text{ mA}$			-1	V
Transition frequency		f_T	$V_{CB} = -10 \text{ V}, I_E = 10 \text{ mA}, f = 200 \text{ MHz}$		200		MHz
Collector output capacitance		C _{ob}	$V_{CB} = -10 \text{ V}, I_E = 0, f = 1 \text{ MHz}$ 4			pF	
(Common base, input open circuited)							
Noise voltage	oise voltage NV $V_{CE} = -10 \text{ V}, I_C = -1 \text{ mA}, G_V = 80 \text{ c}$		$V_{CE} = -10 \text{ V}, I_{C} = -1 \text{ mA}, G_{V} = 80 \text{ dB}$		150		mV
			$R_g = 100 \text{ k}\Omega$, Function = FLAT				

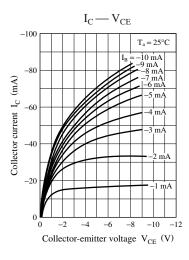
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

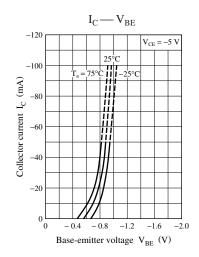
2. *: Rank classification

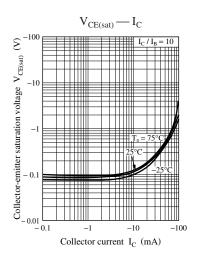
Ra	ınk	R	S	Т
h	FE	130 to 220	185 to 330	260 to 450
Marking	2SB0792	IR	IS	IT
symbol	2SB0792A	2FR	2FS	_

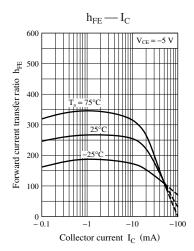
Note) The part numbers in the parenthesis show conventional part number.

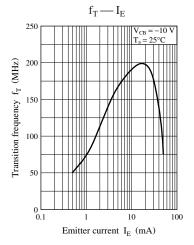


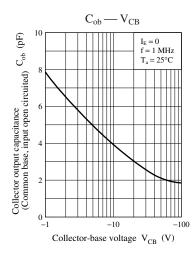












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