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

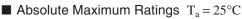
Silicon PNP epitaxial planar type

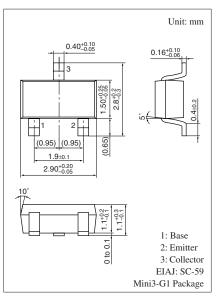
For high breakdown voltage low-noise amplification

Features

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

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 dissipatio	P _C	200	mW				
Junction temperature	Tj	150	°C				
Storage temperature	T _{stg}	-55 to +150	°C				





Marking Symbol:

- 2SB0792: I
- 2SB0792A: 2F

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

Parameter		Symbol	Conditions	Min	Тур	Max	Unit
Collector-emitter voltage	2SB0792	V _{CEO}	$I_{C} = -100 \ \mu A, \ I_{B} = 0$	-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)}	$I_{\rm C} = -30$ mA, $I_{\rm B} = -3$ 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		NV	$V_{CE} = -10 \text{ V}, I_C = -1 \text{ mA}, G_V = 80 \text{ dB}$		150		mV
			$R_g = 100 \text{ k}\Omega$, Function = FLAT				

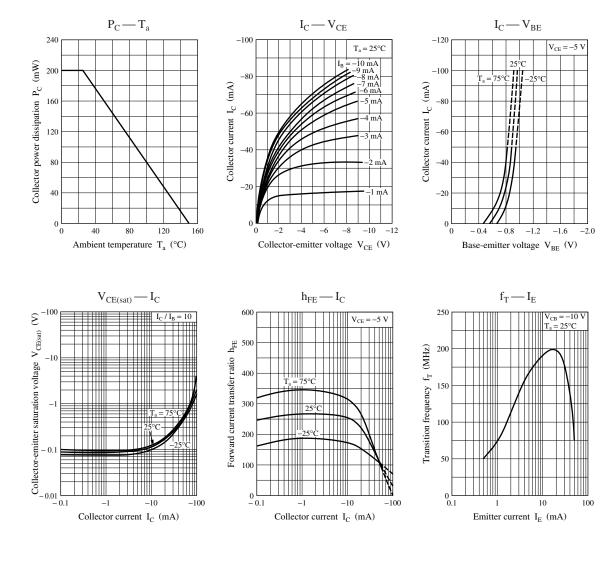
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

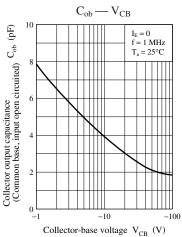
2. *: Rank classification

-						
	Rank		R	S	Т	
	$h_{\rm FE}$		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.

Panasonic





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