Transistor Panasonic

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

Silicon PNP epitaxial planer type

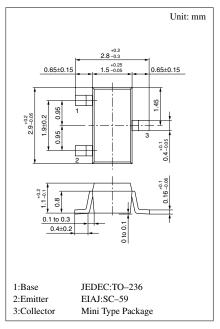
For high breakdown voltage low-noise amplification Complementary to 2SD0814 (2SD814)

Features

- High collector to emitter voltage 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 (Ta=25°C)

Parameter		Symbol	Ratings	Unit	
Collector to	2SB0792	37	-150	3.7	
base voltage	2SB0792A	V_{CBO}	-185	V	
Collector to	2SB0792	37	-150	V	
emitter voltage	2SB0792A	V_{CEO}	-185	V	
Emitter to base voltage		V_{EBO}	-5	V	
Peak collector current		I_{CP}	-100	mA	
Collector current		I_C	-50	mA	
Collector power dissipation		P_{C}	200	mW	
Junction temperature		T_{j}	150	°C	
Storage temperature		T_{stg}	−55 ~ +150	°C	



Marking symbol : **I**(2SB0792) **2F**(2SB0792A)

Electrical Characteristics (Ta=25°C)

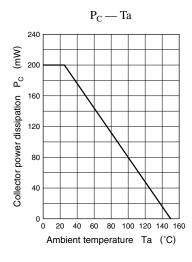
Parameter		Symbol	Conditions	min	typ	max	Unit
Collector cutoff curre	Collector cutoff current		$V_{CB} = -100V, I_E = 0$			-1	μΑ
Collector to emitter	2SB0792	17	I 1000 A I 0	-150			V
voltage	2SB0792A	V_{CEO}	$I_C = -100\mu A, I_B = 0$	-185			
Emitter to base voltage		V _{EBO}	$I_E = -10\mu A, I_C = 0$	-5			V
Forward current	2SB0792	. *	130		450		
transfer ratio	2SB0792A	h _{FE} *	$V_{CE} = -5V, I_C = -10mA$	130		330	
Collector to emitter saturation voltage		V _{CE(sat)}	$I_{\rm C} = -30\mu A, I_{\rm B} = -3mA$			-1	V
Transition frequency f _T		f_T	$V_{CB} = -10V$, $I_E = 10mA$, $f = 200MHz$		200		MHz
Collector output capacitance (C _{ob}	$V_{CB} = -10V$, $I_E = 0$, $f = 1MHz$		4		pF
Noise voltage		NV	$V_{CE} = -10V$, $I_C = -1mA$, $G_V = 80dB$, $R_g = 100k\Omega$, Function = FLAT		150		mV

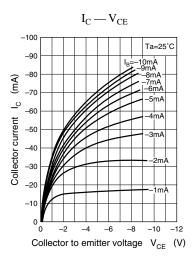
*h_{FE} Rank classification

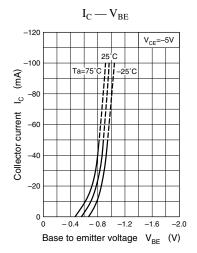
Rank		R	S	T	
h_{FE}		130 ~ 220	185 ~ 330	260 ~ 450	
Marking	2SB0792	IR	IS	IT	
Symbol	2SB0792A	2FR	2FS	_	

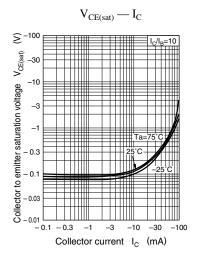
Note.) The Part numbers in the Parenthesis show conventional part number.

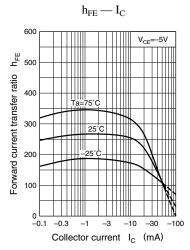
Panasonic 1

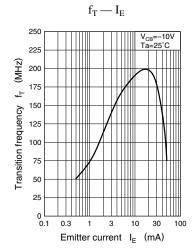


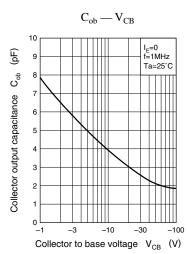












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