Transistors Panasonic

2SB0792A

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.

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Collector-base voltage (Emitter open)	V _{CBO}	-185	V	
Collector-emitter voltage (Base open)	V _{CEO}	-185	V	
Emitter-base voltage (Collector open)	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	

■ Package

• Code

Mini3-G1

- Pin Name
 - 1. Base
 - 2. Emitter
 - 3. Collector
- Marking Symbol: 2F

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

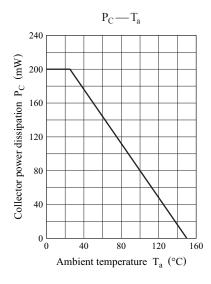
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-emitter voltage (Base open)	V _{CEO}	$I_{\rm C} = -100 \mu A, I_{\rm B} = 0$	-185)_		V
Emitter-base voltage (Collector open)	V_{EBO}	$I_E = -10 \mu\text{A}, I_C = 0$	-5			V
Collector-base cutoff current (Emitter open)	I_{CBO}	$V_{CB} = -100 \text{ V}, I_E = 0$	\.X		-1	μΑ
Forward current transfer ratio *	h_{FE}	$V_{CE} = -5 \text{ V}, I_{C} = -10 \text{ mA}$	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 (Common base, input open circuited)	C _{ob}	$V_{CB} = -10 \text{ V}, I_E = 0, f = 1 \text{ MHz}$		4		pF
Noise voltage	NV	$V_{CB} = -10 \text{ V}, I_C = -1 \text{ mA}, G_V = 80 \text{ dB},$ $R_g = 100 \text{ k}\Omega, \text{Function} = \text{FLAT}$		150		mV

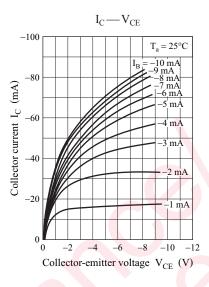
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

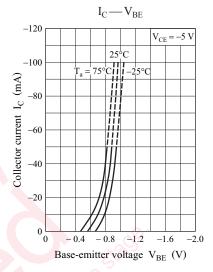
2. *: Rank classification

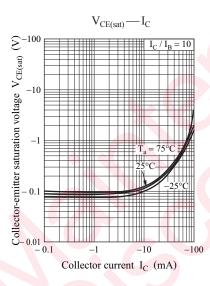
Rank	R	S
h_{FE}	130 to 220	185 to 330
Merking symbol	2FR	2FS

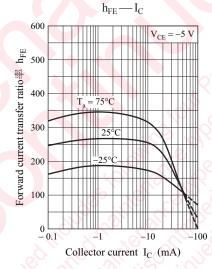
2SB0792A Panasonic

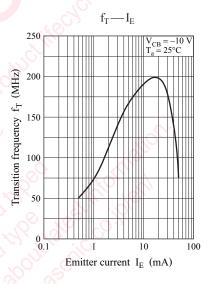


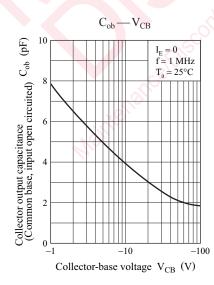








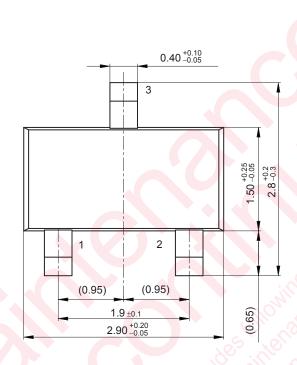


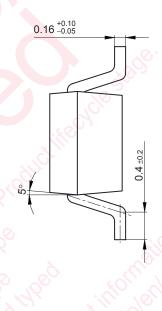


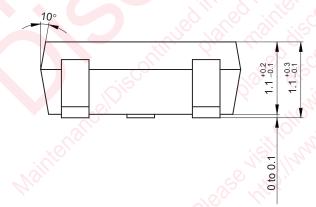
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Panasonic 2SB0792A

Mini3-G1 Unit: mm







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