Transistors

Panasonic

2SA0720A (2SA720A)

Silicon PNP epitaxial planar type

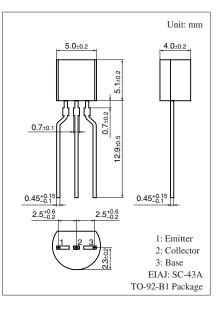
For low-frequency driver amplification Complementary to 2SC1318A

Features

- \bullet High collector-emitter voltage (Base open) $V_{\mbox{CEO}}$
- Optimum for the driver stage of a low-frequency and 25 W to 30 W output amplifier

The second terminal in that ingo $T_a = 25$ C						
Parameter	Symbol	Rating	Unit			
Collector-base voltage (Emitter open)	V _{CBO}	-80	V			
Collector-emitter voltage (Base open)	V _{CEO}	-70	V			
Emitter-base voltage (Collector open)	V _{EBO}	-5	V			
Collector current	I _C	- 0.5	А			
Peak collector current	I _{CP}	-1	А			
Collector power dissipation	P _C	625	mW			
Junction temperature	Tj	150	°C			
Storage temperature	T _{stg}	-55 to +150	°C			





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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	V _{CBO}	$I_{\rm C} = -10 \ \mu A, \ I_{\rm E} = 0$	-80			V
Collector-emitter voltage (Base open)	V _{CEO}	$I_{\rm C} = -2 \text{ mA}, I_{\rm B} = 0$	-70			V
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}	$V_{CB} = -20 \text{ V}, I_E = 0$			- 0.1	μΑ
Forward current transfer ratio *1	h _{FE1} *2	$V_{CE} = -10 \text{ V}, I_C = -150 \text{ mA}$	85		240	_
	h _{FE2}	$V_{CE} = -10 \text{ V}, I_C = -500 \text{ mA}$	40			_
Collector-emitter saturation voltage *1	V _{CE(sat)}	$I_{\rm C} = -300 \text{ mA}, I_{\rm B} = -30 \text{ mA}$		- 0.2	- 0.6	V
Base-emitter saturation voltage *1	V _{BE(sat)}	$I_{\rm C} = -300 \text{ mA}, I_{\rm B} = -30 \text{ mA}$		- 0.85	-1.50	V
Transition frequency	f _T	$V_{CB} = -10 \text{ V}, I_E = 50 \text{ mA}, f = 200 \text{ MHz}$		120		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10 \text{ V}, I_E = 0, f = 1 \text{ MHz}$		20	30	pF
(Common base, input open circuited)						

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

2. *1: Pulse measurment

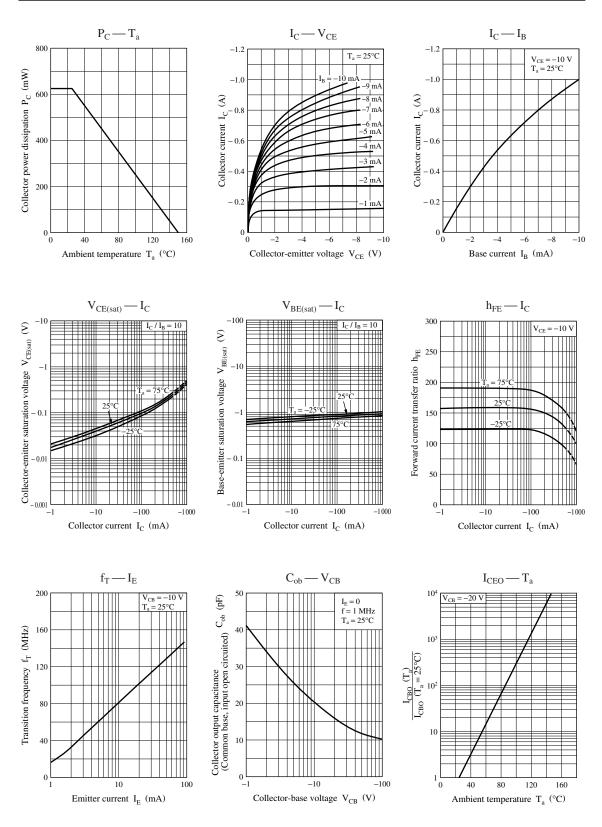
*2: Rank classification

Rank	Q	R
$h_{\rm FE1}$	85 to 170	120 to 240

Note) The part number in the parenthesis shows conventional part number.

2SA0720A





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