2SC2480

Silicon NPN epitaxial planer type

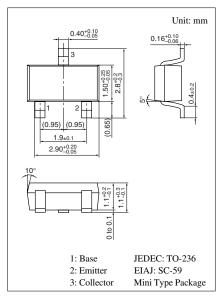
For high-frequency amplification / oscillation / mixing

■ Features

- High transition frequency f_T
- 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 to base voltage	V_{CBO}	30	V
Collector to emitter voltage	V _{CEO}	20	V
Emitter to base voltage	V _{EBO}	3	V
Collector current	I_{C}	50	mA
Collector power dissipation	P _C	150	mW
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C



Marking Symbol: R

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector to base voltage	V _{CBO}	$I_C = 100 \ \mu A, I_E = 0$	30			V
Emitter to base voltage	V _{EBO}	$I_E = 10 \ \mu A, I_C = 0$	3			V
Forward current transfer ratio	h _{FE}	$V_{CB} = 10 \text{ V}, I_{E} = -2 \text{ mA}$	25		250	
Base to emitter voltage	V _{BE}	$V_{CB} = 10 \text{ V}, I_{E} = -2 \text{ mA}$		720		mV
Transition frequency *	f_T	$V_{CB} = 10 \text{ V}, I_{E} = -15 \text{ mA}, f = 200 \text{ MHz}$	800	1 300	1 600	MHz
Common emitter reverse transfer	C _{re}	$V_{CB} = 10 \text{ V}, I_E = -1 \text{ mA}, f = 10.7 \text{ MHz}$		1	1.5	pF
capacitance	C _{rb}	$V_{CE} = 6 \text{ V}, I_{C} = 0, f = 1 \text{ MHz}$		0.8		pF
Power gain	PG	$V_{CB} = 10 \text{ V}, I_{E} = -1 \text{ mA}, f = 200 \text{ MHz}$		20		dB

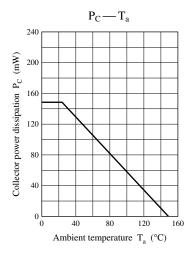
Note) *: Rank classification

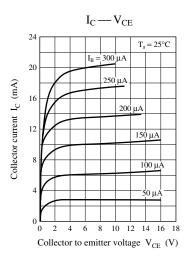
Rank	Т	S	No-rank	
f _T (MHz)	800 to 1 400	1 000 to 1 600	800 to 1 600	
Marking symbol	RT	RS	R	

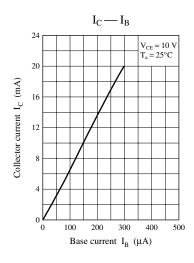
Product of no-rank is not classified and have no indication for rank.

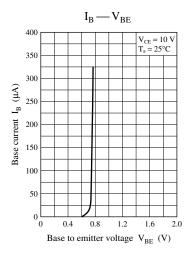
Panasonic 1

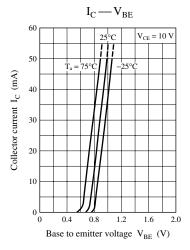
2SC2480 Transistors

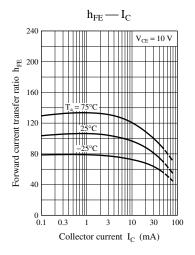


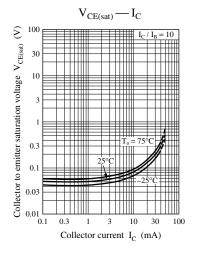


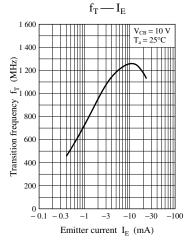


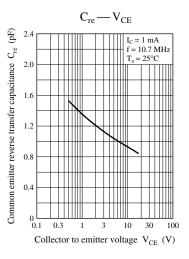




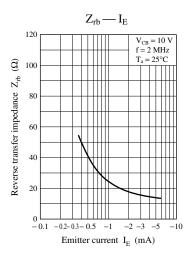


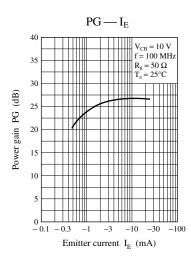


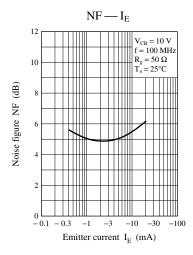


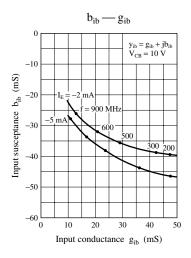


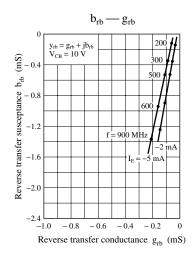
Transistors 2SC2480

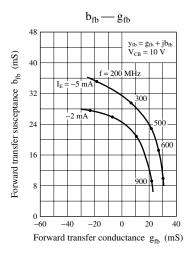


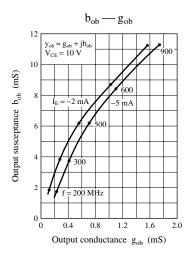












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