2SC2480

Silicon NPN epitaxial planer type

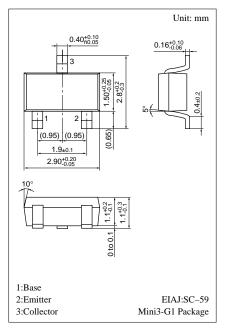
For high-frequency amplification/oscillation/mixing

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 (Ta=25°C)

Parameter	Symbol	Ratings	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 ~ +150	°C	



Marking symbol: R

Electrical Characteristics (Ta=25°C)

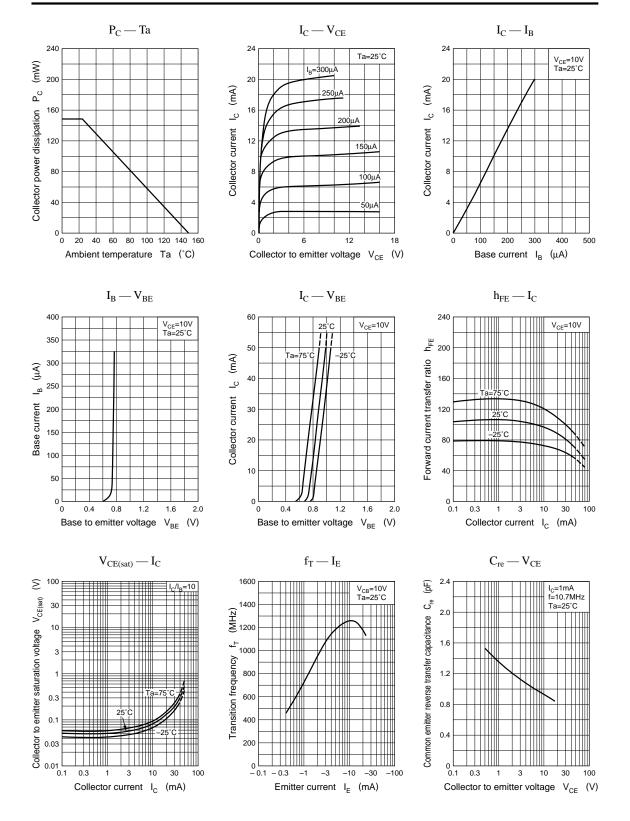
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector to base voltage	V _{CBO}	$I_{\rm C} = 100 \mu {\rm A}, I_{\rm E} = 0$	30			V
Emitter to base voltage	V _{EBO}	$I_E = 10 \mu A, I_C = 0$	3			V
Forward current transfer ratio	h _{FE}	$V_{CB} = 10V, I_E = -2mA$	25		250	
Transition frequency	f_T^*	$V_{CB} = 10V, I_{E} = -15mA, f = 200MHz$	800	1300	1600	MHz
Base to emitter voltage	V _{BE}	$V_{CB} = 10V, I_E = -2mA$		0.72		V
Common emitter reverse transfer capacitance	C _{re}	$V_{CE} = 10V, I_{C} = 1mA, f = 10.7MHz$		1	1.5	pF
Power gain	PG	$V_{CB} = 10V, I_{E} = -1mA, f = 200MHz$		20		dB

*f_T Rank classification

Rank	T	S		
f _T (MHz)	800 ~ 1400	1000 ~ 1600		
Marking Symbol	RT	RS		

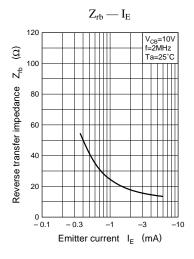
356 Panasonic

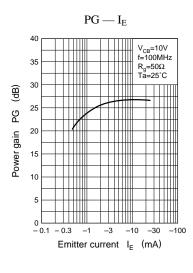
Transistor 2SC2480

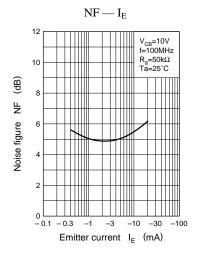


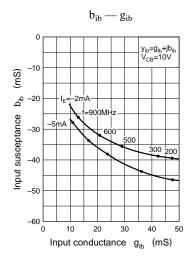
Panasonic 357

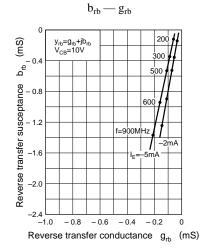
Transistor 2SC2480

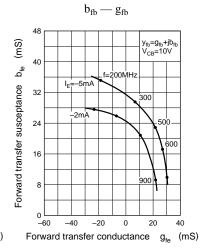


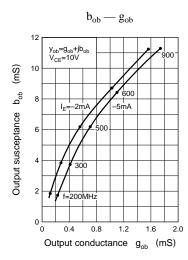












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