2SC4627

Silicon NPN epitaxial planer type

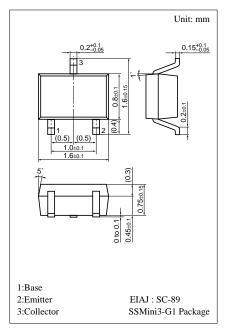
For high-frequency amplification

Features

- Optimum for RF amplification of FM/AM radios.
- High transition frequency f_T.
- SS-Mini type package, allowing downsizing of the equipment and automatic insertion through the tape 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	$V_{\rm EBO}$	3	V
Collector current	I_{C}	15	mA
Collector power dissipation	P_{C}	125	mW
Junction temperature	T _j	125	°C
Storage temperature	T_{stg}	−55 ~ +125	°C



Marking symbol: U

Electrical Characteristics (Ta=25°C)

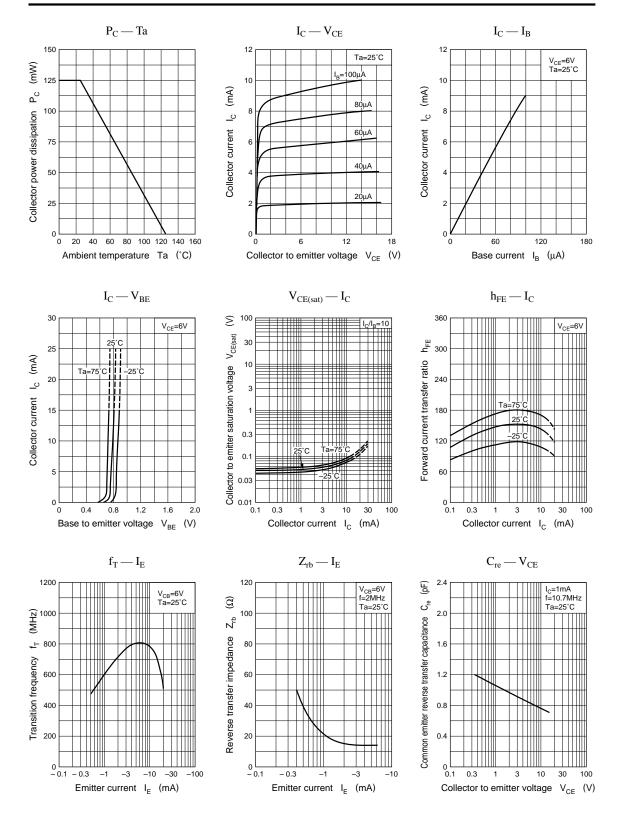
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector to base voltage	V _{CBO}	$I_{\rm C} = 10 \mu {\rm A}, I_{\rm E} = 0$	30			V
Emitter to base voltage	V _{EBO}	$I_{\rm E} = 10 \mu A, I_{\rm C} = 0$	3			V
Forward current transfer ratio	h _{FE} *	$V_{CB} = 6V, I_E = -1mA$	40		260	
Base to emitter voltage	V _{BE}	$V_{CB} = 6V, I_E = -1mA$		0.72		V
Transition frequency	f_T	$V_{CB} = 6V, I_E = -1 \text{mA}, f = 200 \text{MHz}$	450	650		MHz
Common emitter reverse transfer capacitance	C _{re}	$V_{CB} = 6V, I_E = -1mA, f = 10.7MHz$		0.8	1	pF
Power gain	PG	$V_{CB} = 6V, I_E = -1mA, f = 100MHz$		24		dB
Noise figure	NF	$V_{CB} = 6V, I_E = -1mA, f = 100MHz$		3.3		dB

*hFE Rank classification

Rank	В	С	D
h _{FE}	40 ~ 110	65 ~ 160	100 ~ 260
Marking Symbol	UB	UC	UD

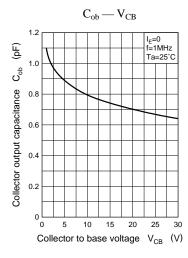
Panasonic 475

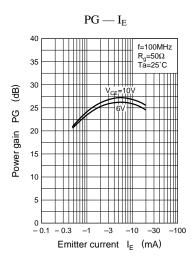
Transistor 2SC4627

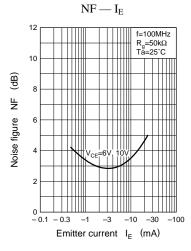


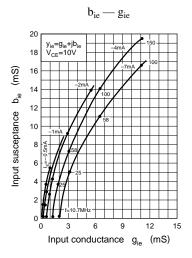
476 Panasonic

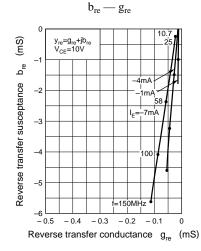
Transistor 2SC4627

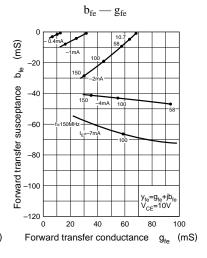


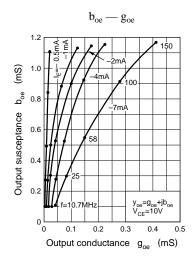












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