Panasonic

2SC4627J

Silicon NPN epitaxial planer type

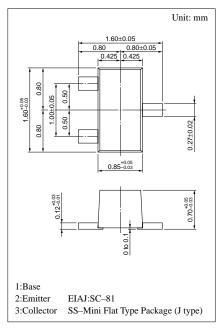
For high-frequency amplification

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. (Flat type)

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}	15	mA	
Collector power dissipation	P_{C}	125	mW	
Junction temperature	T_{j}	125	°C	
Storage temperature	T_{stg}	−55 ~ +125	°C	



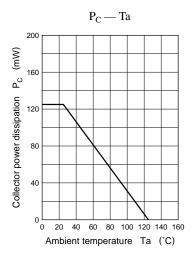
Marking symbol: U

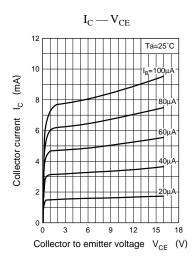
■ Electrical Characteristics (Ta=25°C)

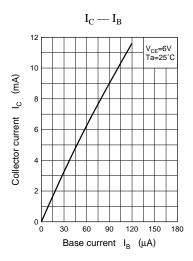
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector to base voltage	V _{CBO}	$I_{\rm C} = 10 \mu {\rm A}, I_{\rm E} = 0$	30			V
Emitter to base voltage	V _{EBO}	$I_E = 10 \mu A, I_C = 0$	3			V
Forward current transfer ratio	h _{FE}	$V_{CB} = 6V, I_{E} = -1mA$	40		260	
Base to emitter voltage	V _{BE}	$V_{CB} = 6V, I_{E} = -1mA$		720		mV
Common emitter reverse transfer capacitance	C _{re}	$V_{CB} = 6V, I_E = -1mA, f = 10.7MHz$		0.8	1	pF
Transition frequency	f_T	$V_{CB} = 6V, I_E = -1mA, f = 200MHz$		450	650	MHz
Noise figure	NF	$V_{CB} = 6V, I_E = -1mA, f = 100MHz$		3.3		dB
Power gain	PG	$V_{CB} = 6V, I_E = -1mA, f = 100MHz$		24		dB

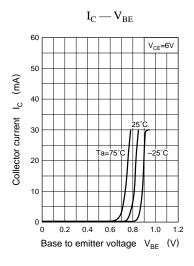
Panasonic 1

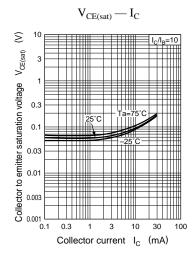
Transistor 2SC4627J

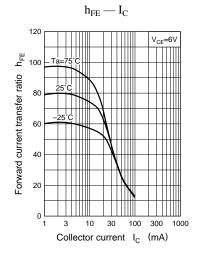


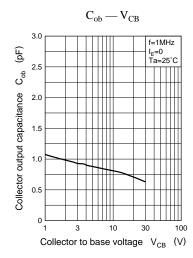












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