2SC4655J

Silicon NPN epitaxial planar type

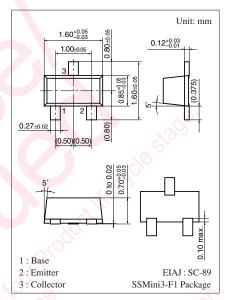
For high-frequency amplification

■ Features

- Optimum for RF amplification, oscillation, mixing, and IF of FM/SAM radios
- SS-Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing

■ Absolute Maximum Ratings $T_a = 25^{\circ}C$

Symbol	Rating	Unit	
V_{CBO}	30	V	
V_{CEO}	20	V	
V _{EBO}	5	V	
I_{C}	30	mA	
P_{C}	125	mW	
T_{j}	125	°C	
T_{stg}	-55 to +125	°C	
	V_{CBO} V_{CEO} V_{EBO} I_{C} P_{C} T_{j}	V _{CBO} 30 V _{CEO} 20 V _{EBO} 5 I _C 30 P _C 125 T _j 125	



Marking Symbol: K

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

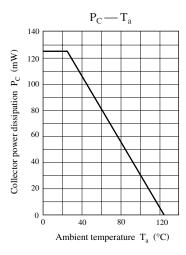
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	V _{CBO}	$I_C = 10 \mu\text{A}, I_E = 0$	30			V
Collector-emitter voltage (Base open)	V _{CEO}	$I_C = 2 \text{ mA}, I_B = 0$	20			V
Emitter-base voltage (Collector open)	V_{EBO}	$I_E = 10 \mu\text{A}, I_C = 0$	5			V
Forward current transfer ratio *	h_{FE}	$V_{CE} = 10 \text{ V}, I_{C} = 1 \text{ mA}$	70		250	_
Transition frequency	f_T	$V_{CB} = 10 \text{ V}, I_E = -1 \text{ mA}, f = 200 \text{ MHz}$	150	230		MHz
Reverse transfer capacitance	C _{re}	$V_{CB} = 10 \text{ V}, I_E = -1 \text{ mA}, f = 10.7 \text{ MHz}$		1.3		pF
(Common emitter)		. 10				

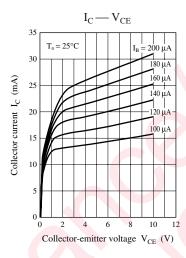
 $Note) \ 1. \ Measuring \ methods \ are \ based \ on \ JAPANESE \ INDUSTRIAL \ STANDARD \ JIS \ C \ 7030 \ measuring \ methods \ for \ transistors.$

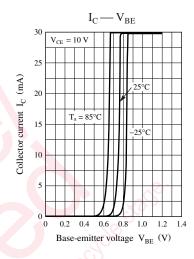
2. *: Rank classification

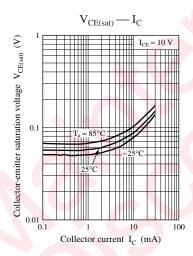
Rank	В	C 2
h _{FE}	70 to 160	110 to 250

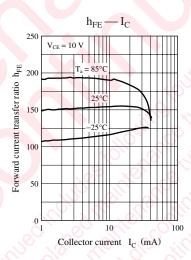
Panasonic

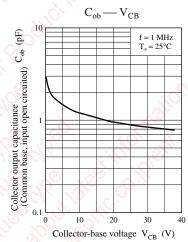












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