Unit: mm

2SC4655

Silicon NPN epitaxial planar type

For high-frequency amplification

Features

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

0.15+0.1 0.2+0.1 .6±0.15 0.8±0. 1 (0.5) (0.5) 1 0±0.1 H 1.6±0.1 (0.3) 0.75±0.15 0.45±0.1 0 to 0.1 1: Base 2: Emitter 3: Collector EIAJ: SC-75 SSMini3-G1 Package

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

Parameter	Symbol	Rating	Unit	
Collector-base voltage (Emitter open)	V _{CBO}	30	V	
Collector-emitter voltage (Base open)	V _{CEO}	20	V	
Emitter-base voltage (Collector open)	V _{EBO}	5	V	
Collector current	I _C	30	mA	
Collector power dissipation	P _C	125	mW	
Junction temperature	Tj	125	°C	
Storage temperature	T _{stg}	-55 to +125	°C	

Marking Symbol: K

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

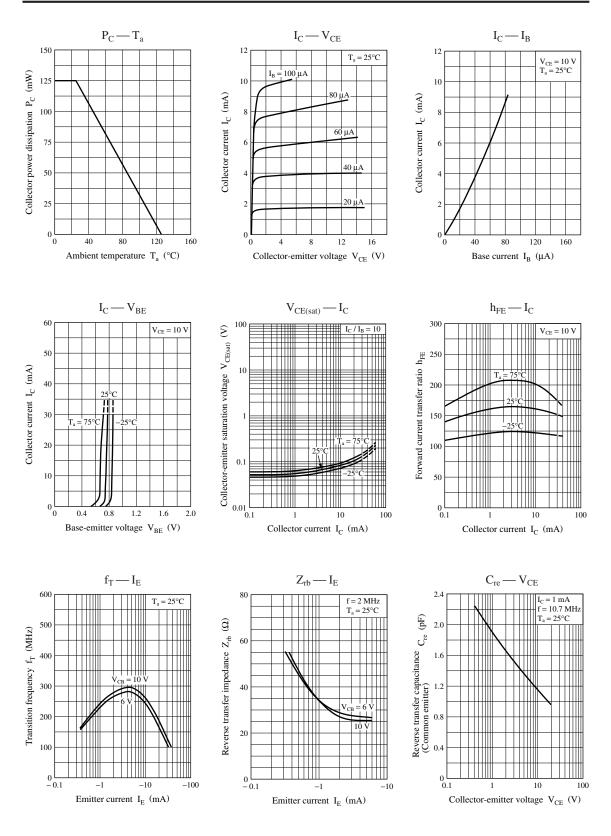
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	V _{CBO}	$I_{C} = 10 \ \mu A, \ I_{E} = 0$	30			V
Collector-emitter voltage (Base open)	V _{CEO}	$I_{\rm C} = 2 {\rm mA}, I_{\rm B} = 0$	20			V
Emitter-base voltage (Collector open)	V _{EBO}	$I_{\rm E} = 10 \ \mu A, \ I_{\rm C} = 0$	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)						

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

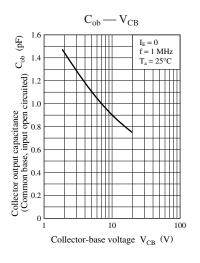
2. *: Rank classification

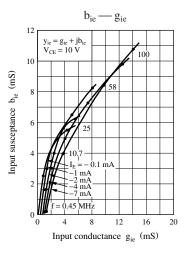
Rank	В	С
h_{FE}	70 to 160	110 to 250

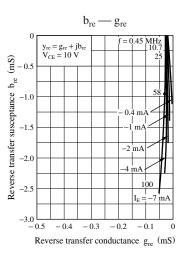
Panasonic

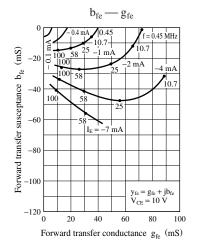


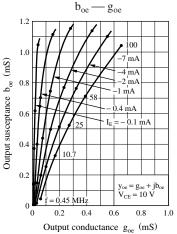
Panasonic











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