2SC4655

Silicon NPN epitaxial planar type

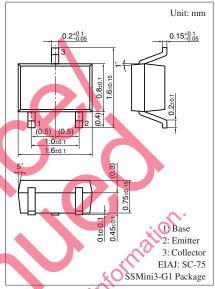
For high-frequency amplification

■ 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

■ Absolute Maximum Ratings $T_a = 25$ °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	PC	125	mW	
Junction temperature	T_{j}	125	°C	
Storage temperature	T _{stg}	-55 to +125	°C	



Marking Symbol: K

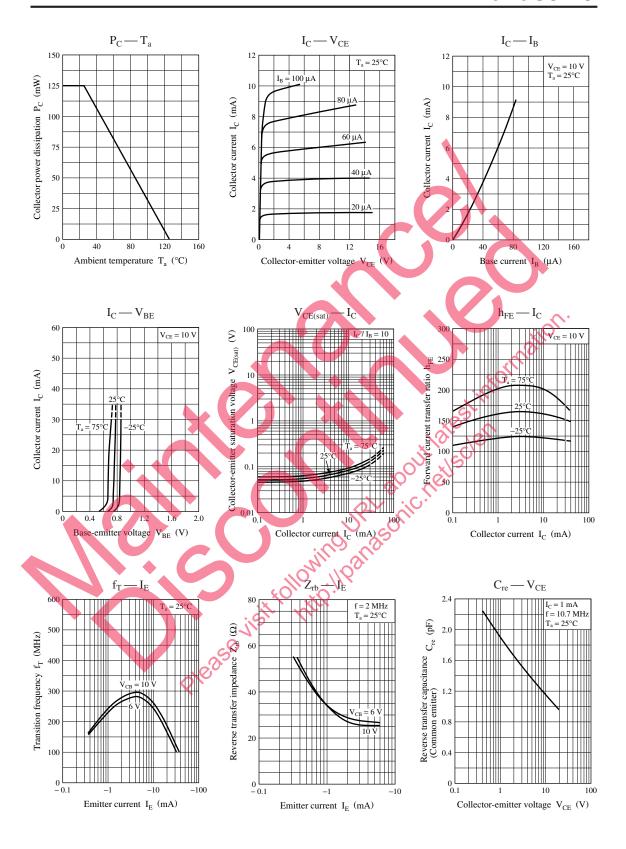
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	V_{CBO}	$I_{\rm C} = 10 \mu \text{A}, I_{\rm E} = 0$	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}	$I_{\rm E} = 10 \mu{\rm A}, I_{\rm C} = 0$	5			V
Forward current transfer ratio *	h_{FE}	$V_{CH} = 10 \text{ V}, I_C = 1 \text{ mA}$	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)	0,					

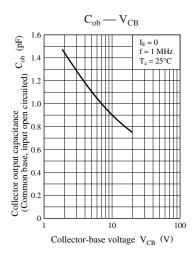
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

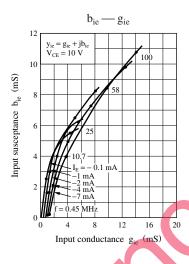
2. *: Rank classification

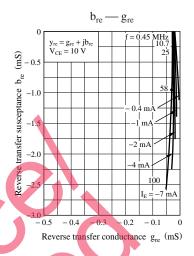
Rank	В	С	
h_{FE}	70 to 160	0 110 to 250	

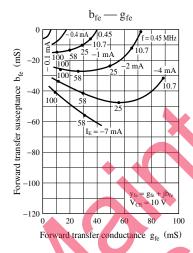


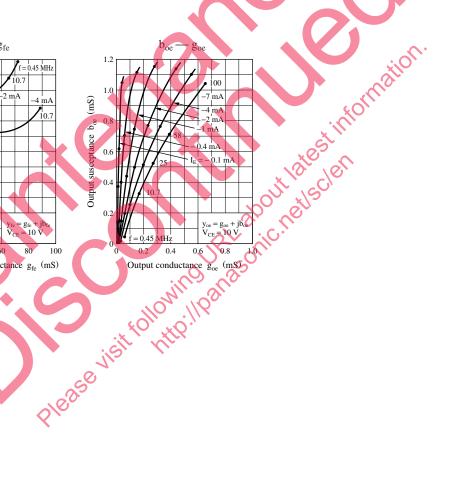
Panasonic 2SC4655











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