Transistors

2SA2162G

Silicon PNP epitaxial planar type

For general amplification Complementary to 2SC6036G

Features

- Low collector-emitter saturation voltage $V_{CE(sat)}$
- SSS-Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing

Absolute Maximum Ratings $T_a = 25^{\circ}C$						
Parameter	Symbol	Rating	Unit			
Collector-base voltage (Emitter open)	V _{CBO}	-15	V			
Collector-emitter voltage (Base open)	V _{CEO}	-12	V			
Emitter-base voltage (Collector open)	V _{EBO}	-5	V			
Collector current	I _C	-500	mA			
Peak collector current	I _{CP}	-1	А			
Collector power dissipation	P _C	100	mW			
Junction temperature	Tj	125	°C			
Storage temperature	T _{stg}	-55 to +125	°C			

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

Package

- Code
- SSSMini3-F2
- Marking Symbol: 2U
- Pin Name
 - 1. Base
 - 2. Emitter
 - 3. Collector

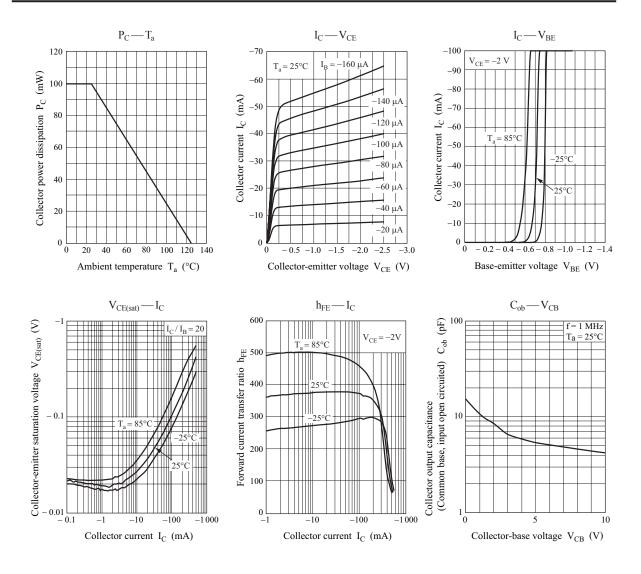
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	V _{CBO}	$I_{\rm C} = -10 \ \mu A, \ I_{\rm E} = 0$	-15			V
Collector-emitter voltage (Base open)	V _{CEO}	$I_{\rm C} = -1 {\rm mA}, I_{\rm B} = 0$	-12			V
Emitter-base voltage (Collector open)	V _{EBO}	$I_{\rm E} = -10 \ \mu A, \ I_{\rm C} = 0$	-5			V
Collector-base cutoff current (Emitter open)	I _{CBO}	$V_{CB} = -10 \text{ V}, I_E = 0$			-0.1	μΑ
Forward current transfer ratio	h _{FE}	$V_{CE} = -2 V, I_C = -10 mA$	270		680	
Collector-emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = -200 \text{ mA}, I_{\rm B} = -10 \text{ mA}$			-250	mV
Transition frequency	f _T	$V_{CB} = -2 \text{ V}, I_E = 10 \text{ mA}, f = 200 \text{ MHz}$		200		MHz
Collector output capacitance (Common base, input open circuited)	C _{ob}	$V_{CB} = -10 \text{ V}, f = 1 \text{ MHz}$		4.5		pF

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

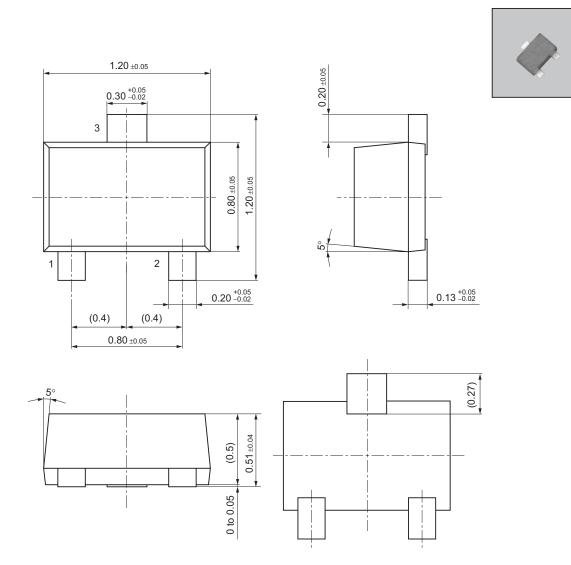
2SA2162G

Panasonic



SSSMini3-F2





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