

SRA2212K

PNP Silicon Transistor

Descriptions

- Switching application
- Interface circuit and driver circuit application

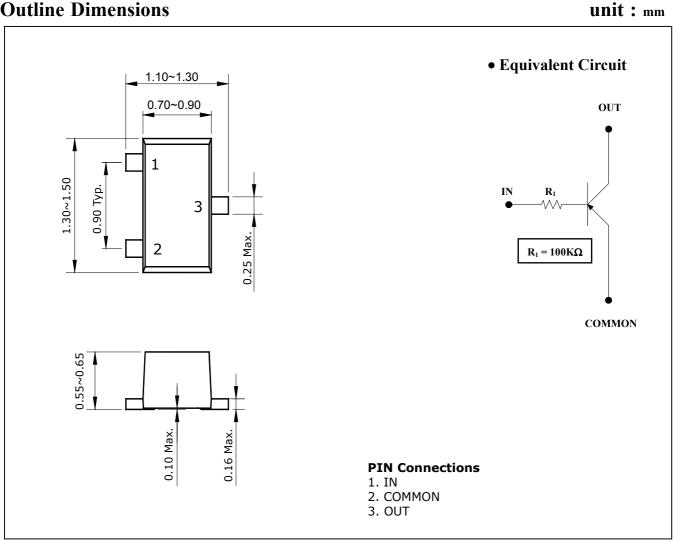
Features

- With built-in bias resistor
- Simplify circuit design
- Reduce a quantity of parts and manufacturing process
- High packing density

Ordering Information

Type NO.	Marking	Package Code	
SRA2212K	BR	SOT-623F	

Outline Dimensions



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Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Rating	Unit
Output voltage	Vo	-50	V
Input voltage	V _I	-40, 5	V
Output current	I_{O}	-100	mA
Power dissipation	P_{D}	100	mW
Junction temperature	T _J	150	°C
Storage temperature range	T_{stg}	-55 ~ 150	°C

Electrical Characteristics

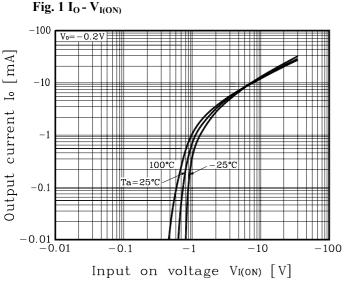
(Ta=25°C)

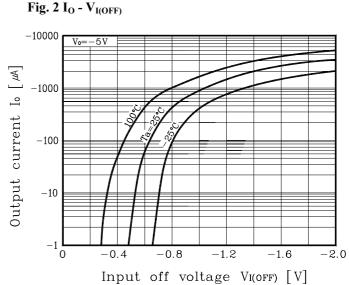
Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Output cut-off current	$I_{O(OFF)}$	V _O =-50V, V _I =0	-	-	-500	nA
DC current gain	G_{I}	V _O =-5V, I _O =-10mA	120	-	-	-
Output voltage	V _{O(ON)}	I_{O} =-10mA, I_{I} =-0.5mA	-	-0.1	-0.3	V
Input voltage (ON)	$V_{I(ON)}$	V _O =-0.2V, I _O =-5mA	-	-	-4.4	V
Input voltage (OFF)	$V_{I(OFF)}$	$V_0 = -5V$, $I_0 = -0.1$ mA	-0.3	-	-	V
Transition frequency	f_T^*	$V_O=-10V$, $I_O=-5$ mA, $f=1$ MHz	-	200	-	MHz
Input current	I_{I}	V_I =-5V, I_O =0	-	-	-0.1	mA
Input resistor (Input to base)	R_1	-	70	100	130	ΚΩ

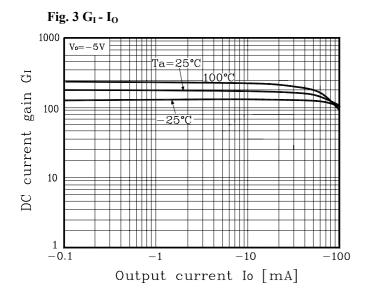
^{* :} Characteristic of transistor only

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Electrical Characteristic Curves







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