

SRA2203N

PNP Silicon Transistor

Descriptions

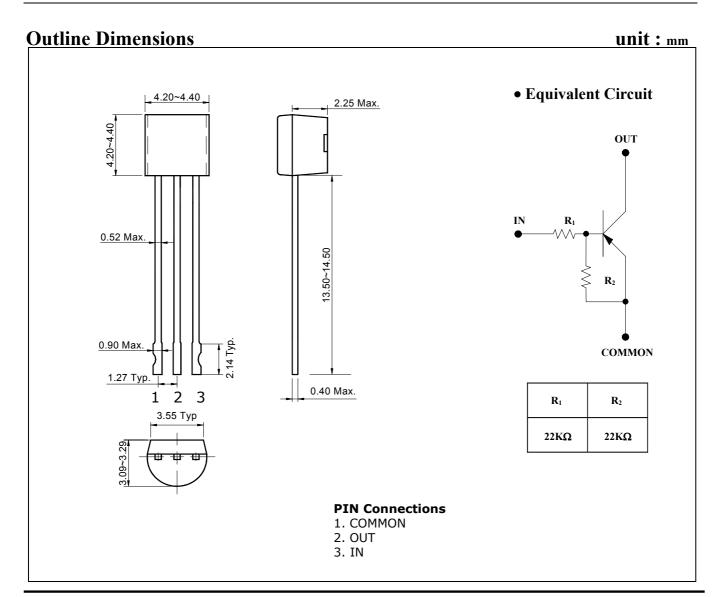
- Switching application
- Interface circuit and driver circuit application

Features

- With built-in bias resistors
- Simplify circuit design
- Reduce a quantity of parts and manufacturing process
- Complementary pair with SRC1203N

Ordering Information

Type NO.	Marking	Package Code		
SRA2203N	SRA2203	TO-92N		



Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Rating	Unit
Output voltage	Vo	-50	V
Input voltage	$V_{\rm I}$	-40, 10	V
Output current	I_{O}	-100	mA
Power dissipation	P_{D}	400	mW
Junction temperature	T _J	150	°C
Storage temperature range	T_{stg}	-55 ~ 150	°C

Electrical Characteristics

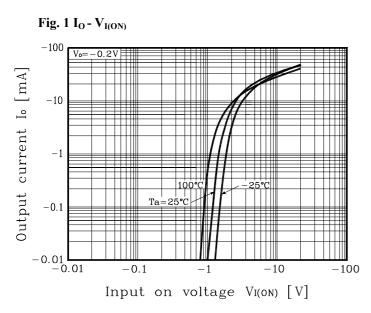
(Ta=25°C)

Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Output cut-off current	I _{O(OFF)}	V _O =-50V, V _I =0	-	-	-500	nA
DC current gain	G_{I}	V_0 =-5V, I_0 =-10mA	70	120	-	-
Output voltage	V _{O(ON)}	I_{O} =-10mA, I_{I} =-0.5mA	-	-0.1	-0.3	V
Input voltage (ON)	$V_{I(ON)}$	$V_0 = -0.2V$, $I_0 = -5mA$	-	-2.1	-3.0	V
Input voltage (OFF)	$V_{I(OFF)}$	$V_0 = -5V$, $I_0 = -0.1$ mA	-1.0	-1.2	-	V
Transition frequency	f _T *	V_0 =-10V, I_0 =-5mA, f=1MHz	-	200	-	MHz
Input current	$I_{\rm I}$	V_I =-5V, I_O =0	-	-	-0.36	mA
Input resistor (Input to base)	R_1	-	15.4	22	28.6	K Ω
Input resistor (Base to common)	R ₂	-	15.4	22	28.6	K Ω

^{* :} Characteristic of transistor only

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Electrical Characteristic Curves



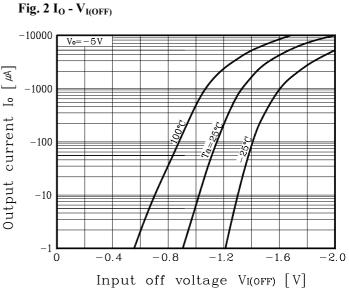


Fig. 3 G_I- I_O

1000

Vo=-5V

Ta=25°C

Ta=25°C

Output current Io [mA]

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