

SRA2219E

PNP Silicon Transistor

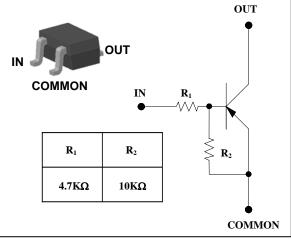
Descriptions

- 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
- High packing density

PIN Connection



Ordering Information

Type NO.	Marking	Package Code
SRA2219E		SOT-523
	Device Code @ Vear&Week Cod	0

①Device Code ② Year&Week Code

Absolute Maximum Ratings

Absolute Maximum Ratings			(Ta=25°C)		
Characteristic	Symbol	Rating	Unit		
Output voltage	Vo	-50	V		
Input voltage	VI	-20, 7	V		
Output current	Ι _ο	-100	mA		
Power dissipation	P _D	150	mW		
Junction temperature	ΤJ	150	°C		
Storage temperature range	T _{stg}	-55 ~ 150	°C		

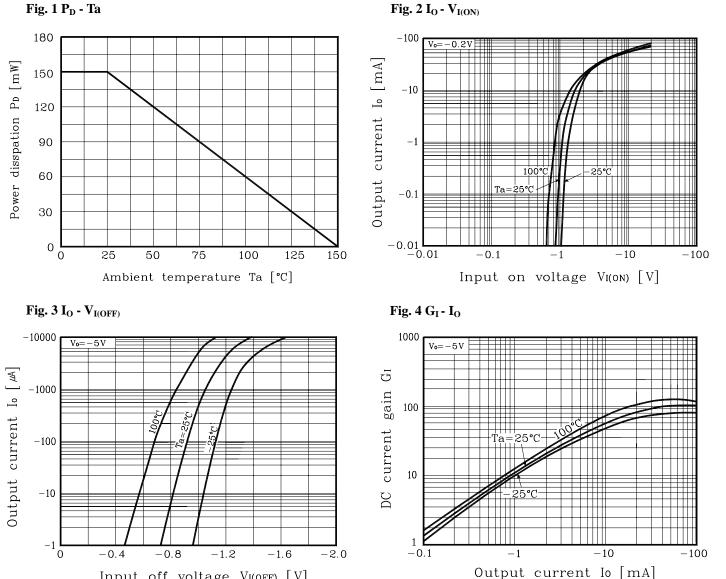
Electrical Characteristics

Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Output cut-off current	I _{O(OFF)}	$V_0 = -50V, V_1 = 0$	-	-	-500	nA
DC current gain	Gı	$V_0 = -5V$, $I_0 = -10mA$	30	-	-	-
Output voltage	V _{O(ON)}	I ₀ =-10mA, I ₁ =-0.5mA	-	-0.1	-0.3	V
Input voltage (ON)	V _{I(ON)}	$V_0 = -0.2V$, $I_0 = -5mA$	-	-1.2	-1.6	V
Input voltage (OFF)	V _{I(OFF)}	$V_0 = -5V$, $I_0 = -0.1mA$	-0.5	-0.82	-	V
Transition frequency	f_{T}^{*}	V_0 =-10V, I_0 =-5mA, f=1MHz	-	200	-	MHz
Input current	I ₁	$V_1 = -5V, I_0 = 0$	-	-	-1.8	mA
Input resistor (Input to base)	R ₁	-	3.3	4.7	6.1	KΩ
Input resistor (Base to common)	R ₂	-	7	10	13	KΩ

* : Characteristic of transistor only

(Ta=25°C)

Electrical Characteristic Curves

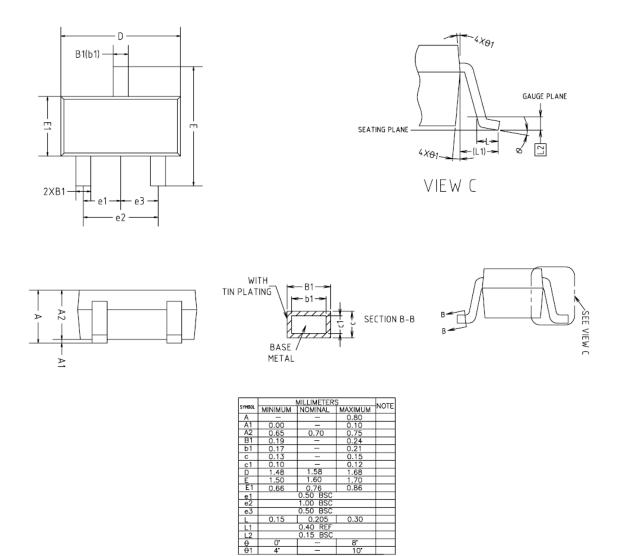


Input off voltage VI(OFF) [V]

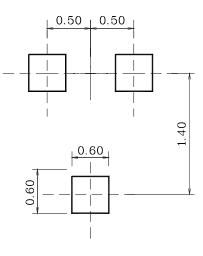
KSD-R5E043-000

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Outline Dimension



*Recommend PCB solder land [Unit: mm]



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