



Descriptions

- Switching application
- Interface circuit and driver circuit application

Features

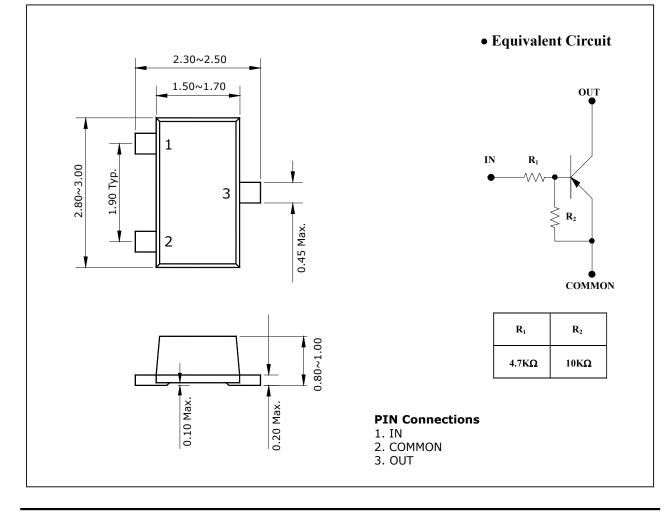
- With built-in bias resistors
- Simplify circuit design
- Reduce a quantity of parts and manufacturing process
- High packing density

Ordering Information

Type NO.	Marking	Package Code	
SRA2219SF	RAC	SOT-23F	

Outline Dimensions

unit : mm



SRA2219SF

(Ta=25°C)

Absolute Maximum Ratings

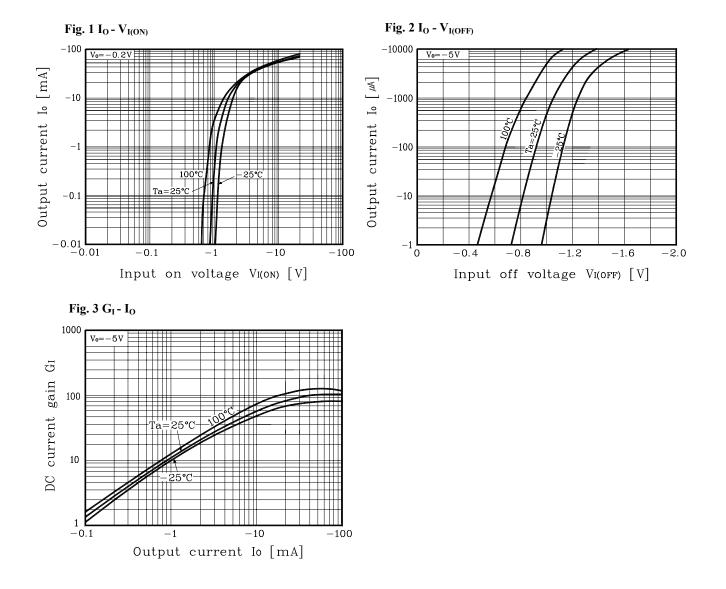
Absolute Maximum Ratings			(Ta=25°C)	
Characteristic	Symbol	Rating	Unit	
Output voltage	Vo	-50	V	
Input voltage	VI	-20, 7	V	
Output current	I _O	-100	mA	
Power dissipation	P _D	200	mW	
Junction temperature	TJ	150	°C	
Storage temperature range	T _{stg}	-55 ~ 150	°C	

Electrical Characteristics

Characteristic Symbol **Test Condition** Min. Max. Unit Typ. $V_0 = -50V, V_I = 0$ -500 Output cut-off current $I_{O(OFF)}$ _ nA $G_{\rm I}$ ---DC current gain V_0 =-5V, I_0 =-10mA 30 Output voltage V_{O(ON)} I_0 =-10mA, I_I =-0.5mA --0.1 -0.3 ٧ Input voltage (ON) V_{I(ON)} $V_0 = -0.2V$, $I_0 = -5mA$ --1.2 -1.6 V Input voltage (OFF) V₀=-5V, I₀=-0.1mA -0.5 -0.82 V -V_{I(OFF)} f_{T}^{*} V_0 =-10V, I_0 =-5mA, f=1MHz --Transition frequency 200 MHz V_{I} =-5V, I_{O} =0 -1.8 Input current I_{I} -mΑ KΩ R_1 -3.3 4.7 6.1 Input resistor (Input to base) Input resistor (Base to common) 7 10 13 KΩ R_2

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* : Characteristic of transistor only



Electrical Characteristic Curves

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