

Descriptions

- Switching application
- Interface circuit and driver circuit application

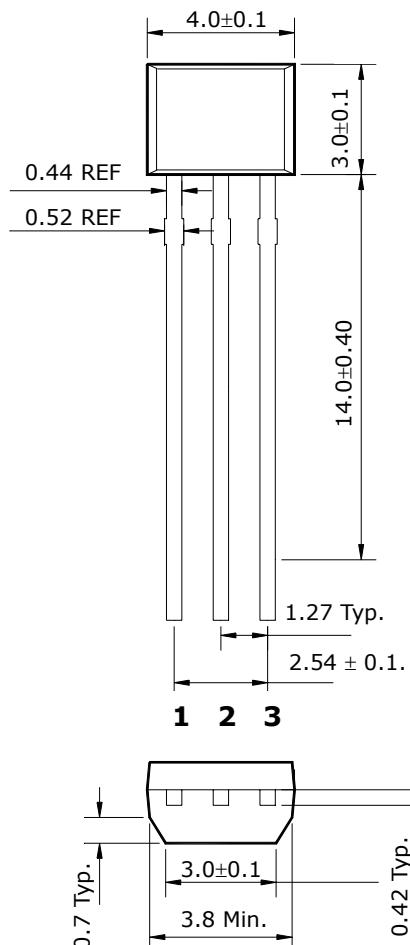
Features

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

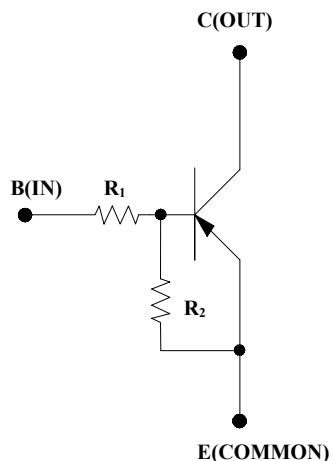
Ordering Information

Type NO.	Marking	Package Code
SRA2202M	2202	TO-92M

Outline Dimensions

unit : mm


■ Equivalent Circuit



R ₁	R ₂
10KΩ	10KΩ

PIN Connections

1. Emitter
2. Collector
3. Base

Absolute maximum ratings

(Ta=25°C)

Characteristic	Symbol	Ratings	Unit
Out Voltage	V _O	-50	V
Input Voltage	V _I	-30	V
Out Current	I _O	-100	mA
Power Dissipation	P _D	400	mW
Junction Temperature	T _J	150	°C
Storage Temperature	T _{STG}	-55 ~ 150	°C

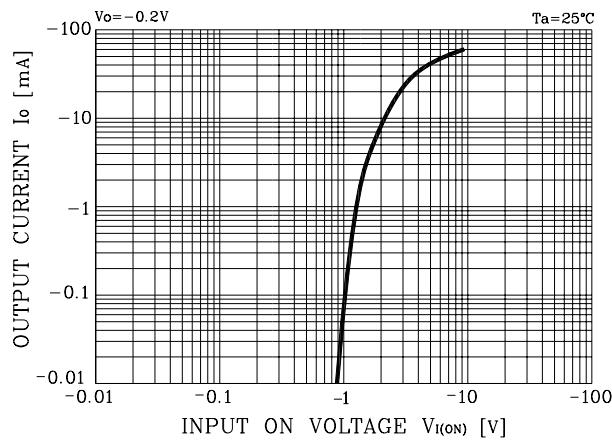
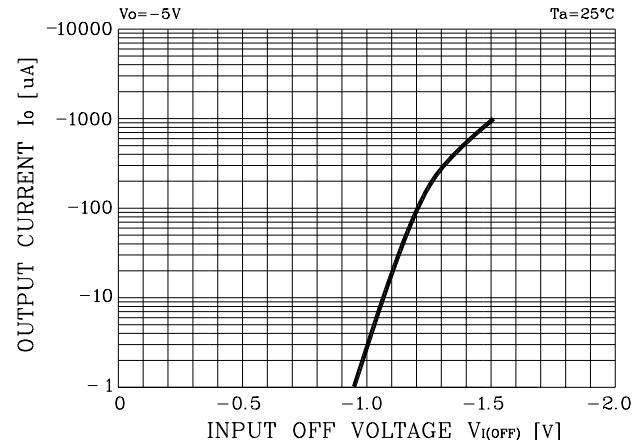
Electrical Characteristics

(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	50	80	-	-
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	-	-1.8	-2.4	V
Input Voltage (OFF)	V _{I(OFF)}	V _O =-5V, I _O =-0.1mA	-1.0	-1.2	-	V
Transition Frequency	f _T *	V _O =-10V, I _O =-5mA	-	200	-	MHz
Input Current	I _I	V _I =-5V	-	-	-0.88	mA

* : Characteristic of Transistor Only

Electrical Characteristic Curves

Fig. 1 $I_o - V_{I(ON)}$ **Fig. 2 $I_o - V_{I(OFF)}$** **Fig. 3 $G_I - I_o$** 