

## Descriptions

- Digital transistor

## Features

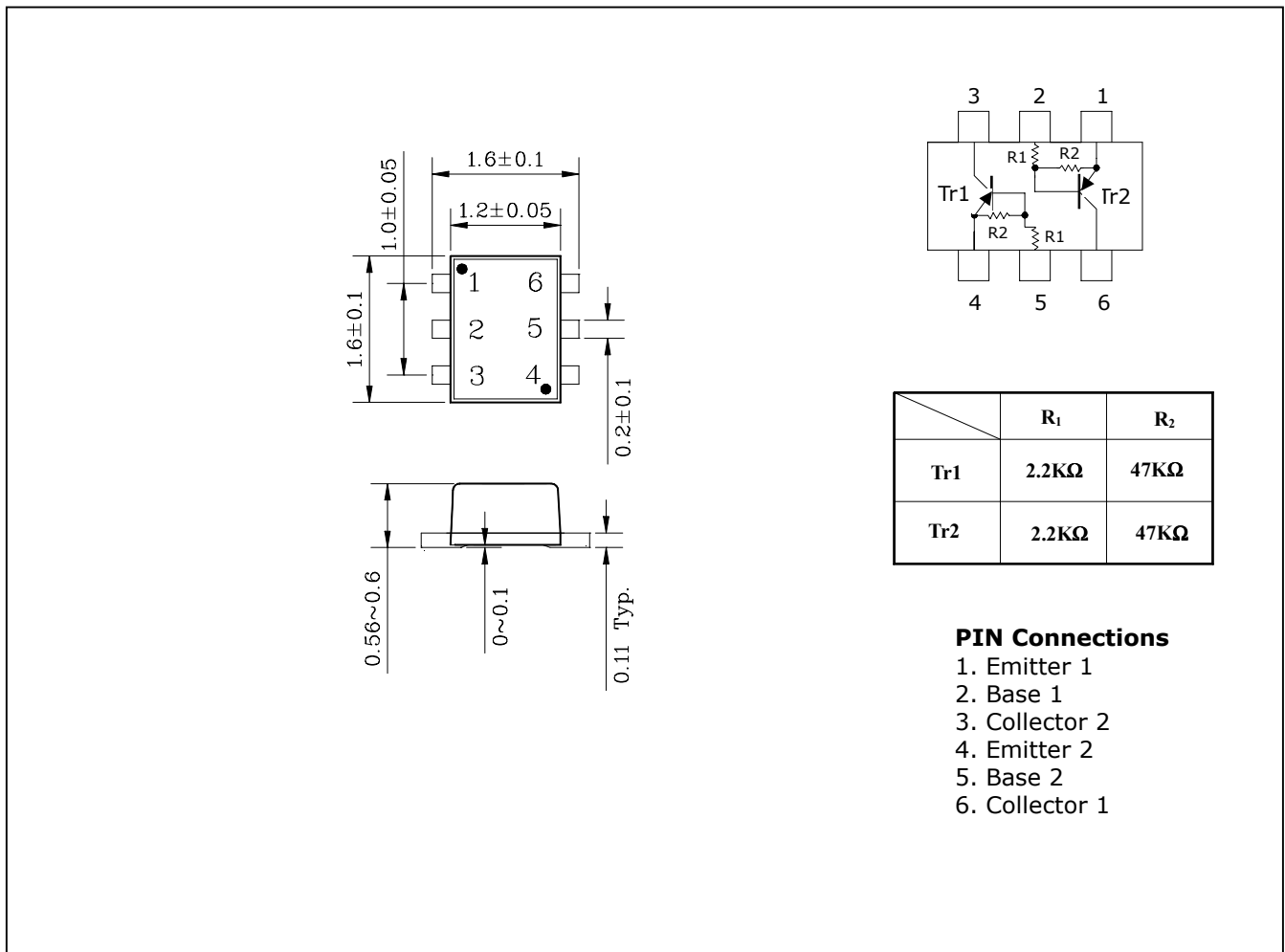
- Two SRA2205 chips in SOT-563F package
- With built-in bias resistors

## Ordering Information

Type NO.	Marking	Package Code
SUR506EF	88	SOT-563F

## Outline Dimensions

unit : mm



**Absolute maximum ratings (Tr1, Tr2)**

(Ta=25°C)

Characteristic	Symbol	Ratings	Unit
Out Voltage	$V_O$	-50	V
Input Voltage	$V_I$	-12	V
Out Current	$I_O$	-100	mA
Power Dissipation	$P_D$	100	mW
Junction Temperature	$T_J$	150	°C
Storage Temperature	$T_{STG}$	-55 ~ 150	°C

**Electrical Characteristics(Tr1, Tr2 : PNP)**

(Ta=25°C)

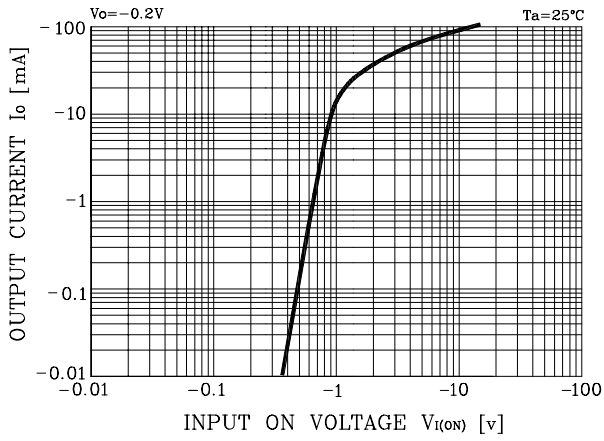
Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Output Cut-off Current	$I_{O(OFF)}$	$V_O=-50V, V_I=0$	-	-	-500	nA
DC Current Gain	$G_I$	$V_O=-5V, I_O=-10mA$	80	200	-	-
Output Voltage	$V_{O(ON)}$	$I_O=-10mA, I_I=-0.5mA$	-	-0.1	-0.3	V
Input Voltage (ON)	$V_{I(ON)}$	$V_O=-0.2V, I_O=-5mA$	-	-	-1.1	V
Input Voltage (OFF)	$V_{I(OFF)}$	$V_O=-5V, I_O=-0.1mA$	-0.4	-	-	V
Transition Frequency	$f_T^*$	$V_O=-10V, I_O=-5mA$	-	200	-	MHz
Input Current	$I_I$	$V_I=-5V$	-	-	-3.6	mA

\* : Characteristic of Transistor Only

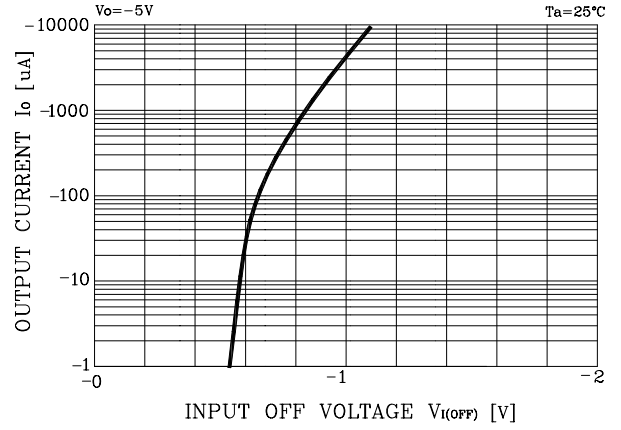
**Electrical Characteristic Curves**

Tr1, Tr2 : PNP

**Fig. 1  $I_O - V_{I(ON)}$**



**Fig. 2  $I_O - V_{I(OFF)}$**



**Fig. 3  $G_1 - I_O$**

