

Descriptions

- General purpose application
- Two SRA2205 chips in SOT-353 package

Features

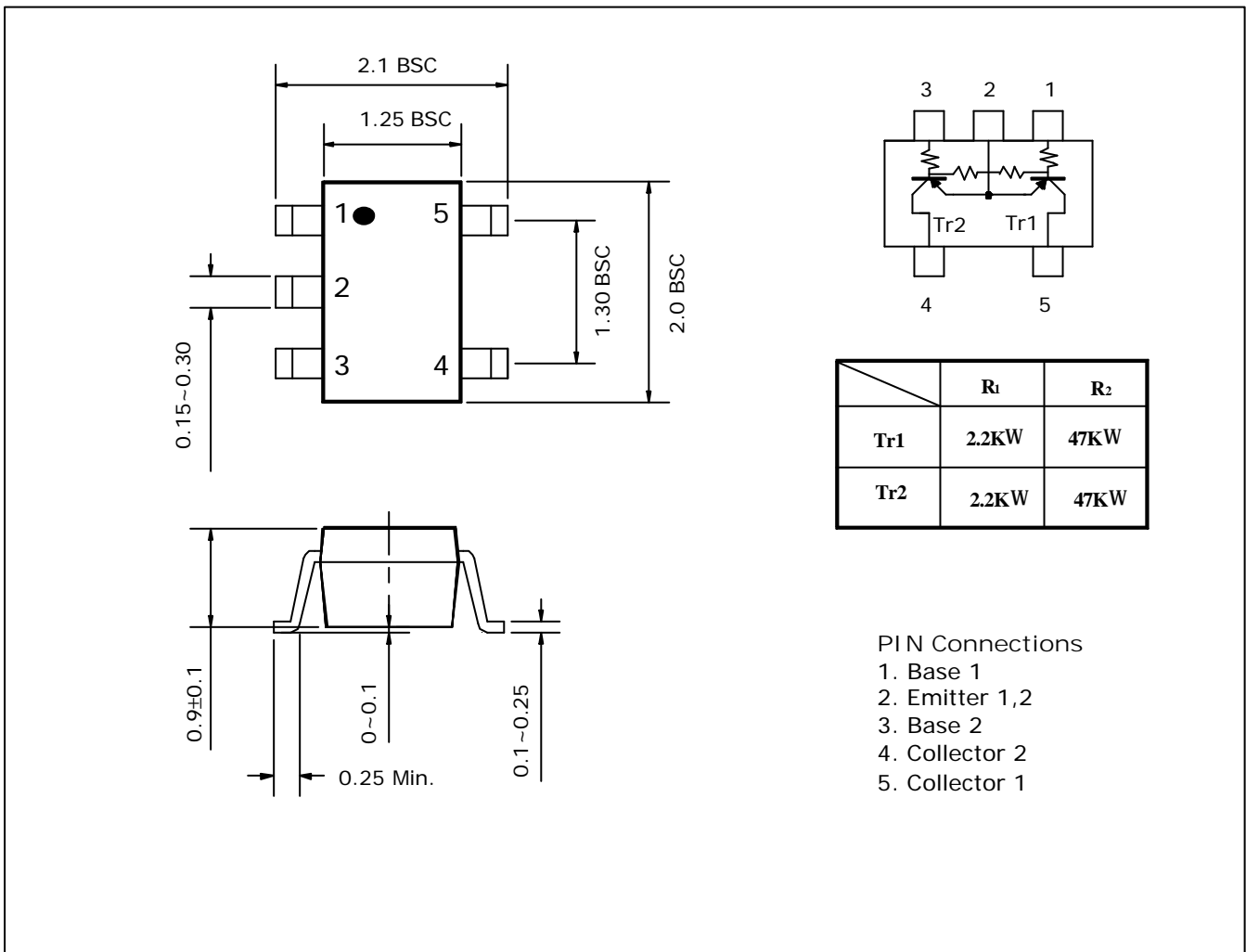
- With built-in bias resistors
- Simplify circuit design
- Reduce a quantity of parts and manufacturing process

Ordering Information

Type NO.	Marking	Package Code
SUR499H	Y1	SOT-353

Outline Dimensions

unit : mm



Absolute maximum ratings

Characteristic	Symbol	Ratings	Unit
Output voltage	V_o	-50	V
Input voltage	V_i	-12	V
Output current	I_o	-100	mA
Power dissipation	P_D	150	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 ~ 150	°C

Electrical Characteristics

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Output out-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	$V_{O(ON)}$	$I_o = -10m, I_i = -0.5mA$	-	-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
Transistor 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

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

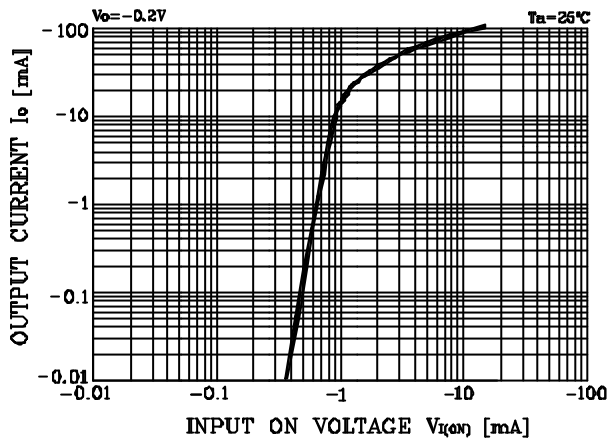


Fig. 2 $I_o - V_{I(OFF)}$

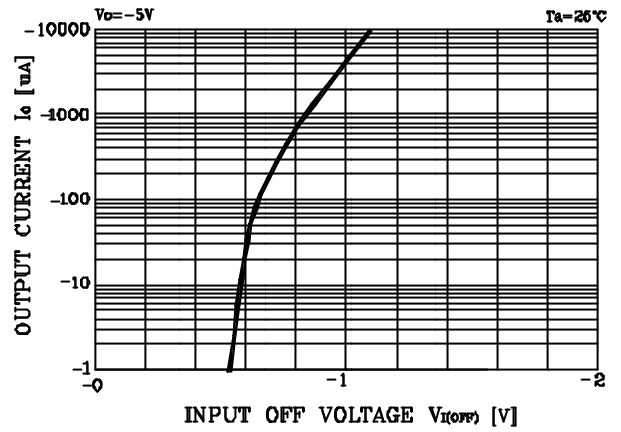


Fig. 3 $G_i - I_o$

