

## Description

- Digital transistor

## Features

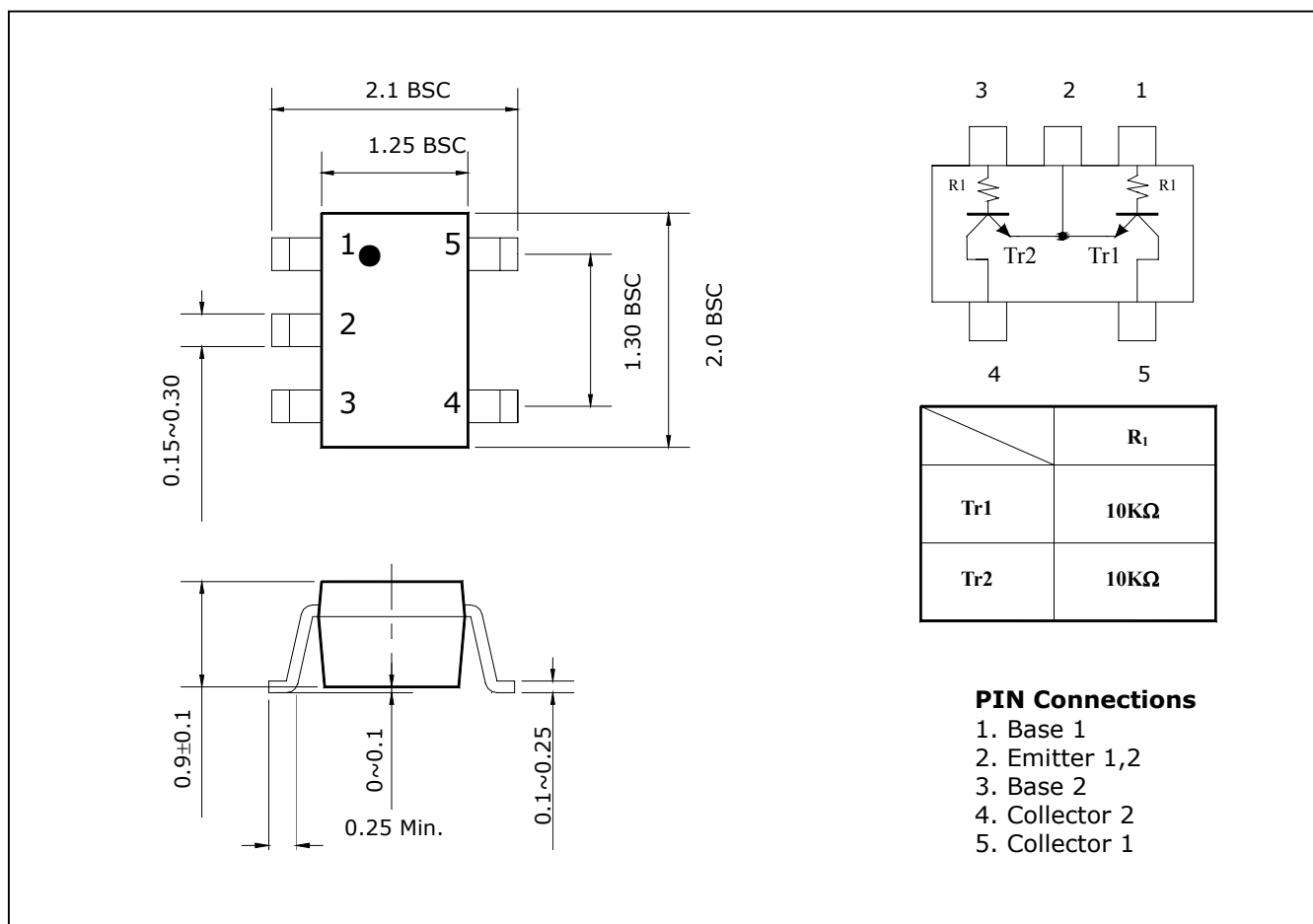
- Two SRC1211 chips in SOT-353 package
- With built-in bias resistors

## Ordering Information

Type NO.	Marking	Package Code
SUR522H	22H	SOT-353

## Outline Dimensions

unit : mm



**Absolute maximum ratings [Tr1, Tr2 : NPN]****Ta=25°C**

Characteristic	Symbol	Ratings	Unit
Out Voltage	$V_O$	50	V
Input Voltage	$V_I$	20	V
Out 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 [Tr1,Tr2:NPN]****(Ta=25°C)**

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Collector Cut-off Current	$I_{CBO}$	$V_{CB}=50V, I_E=0$	-	-	500	nA
Emitter Cut-off Current	$I_{EBO}$	$V_{EB}=5V, I_C=0$	-	-	500	nA
DC Current Gain	$h_{FE}$	$V_{CE}=5V, I_C=1mA$	120	-	-	-
Collector-Emitter Saturation Voltage	$V_{CE(SAT)}$	$I_C=10mA, I_B=0.5mA$	-	0.1	0.3	V
Transition Frequency	$f_T^*$	$V_{CE}=10V, I_C=5mA$	-	250	-	MHz
Input Resistance	$R_1$	-	-	10	-	KΩ

\* : Characteristic of Transistor Only

Electrical Characteristic Curves  
[Tr1,Tr2 :NPN]

Fig. 1  $h_{FE} - I_C$

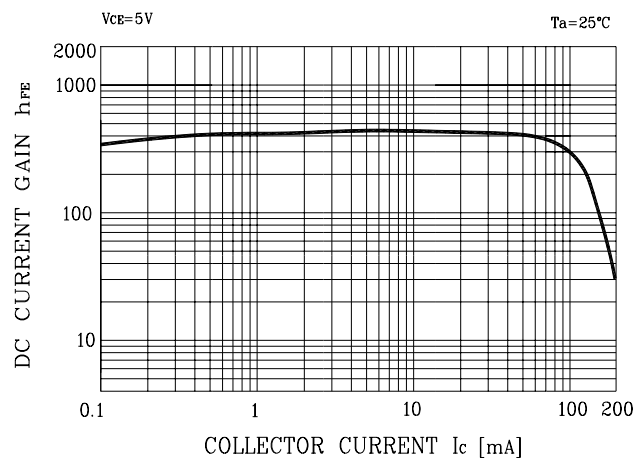


Fig. 2  $V_{CE(SAT)} - I_C$

