

# 2SC1573, 2SC1573A, 2SC1573B

Silicon NPN triple diffusion planer type

For high breakdown voltage general amplification

For small TV video output

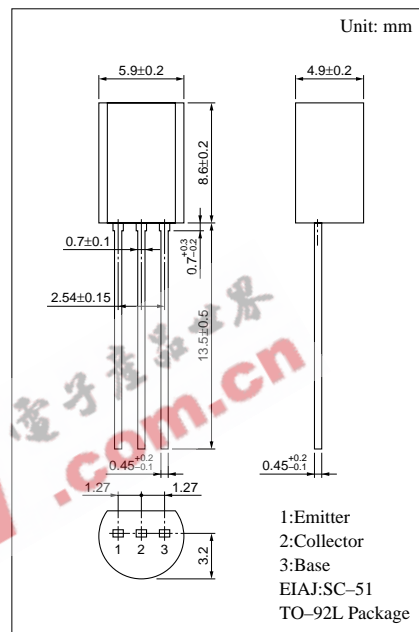
Complementary to 2SC1573 and 2SA879

## ■ Features

- High collector to emitter voltage  $V_{CEO}$ .
- High transition frequency  $f_T$ .

## ■ Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Ratings	Unit	
Collector to base voltage	2SC1573 2SC1573A 2SC1573B	$V_{CBO}$	250	V
			300	
			400	
Collector to emitter voltage	2SC1573 2SC1573A 2SC1573B	$V_{CEO}$	200	V
			300	
			400	
Emitter to base voltage	$V_{EBO}$	7	V	
Peak collector current	$I_{CP}$	100	mA	
Collector current	$I_C$	70	mA	
Collector power dissipation	$P_C$	1	W	
Junction temperature	$T_j$	150	°C	
Storage temperature	$T_{stg}$	-55 ~ +150	°C	



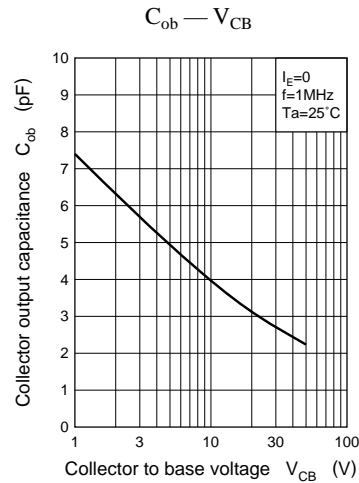
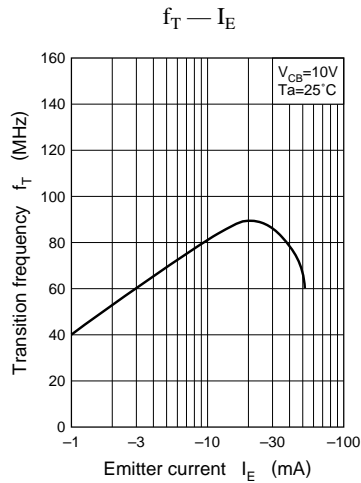
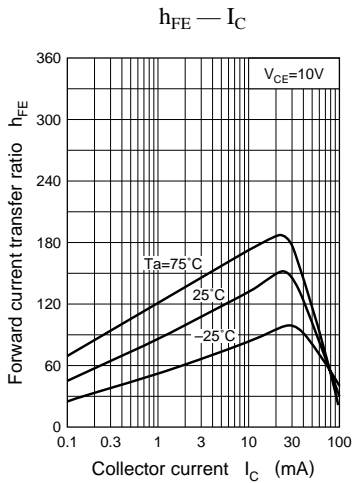
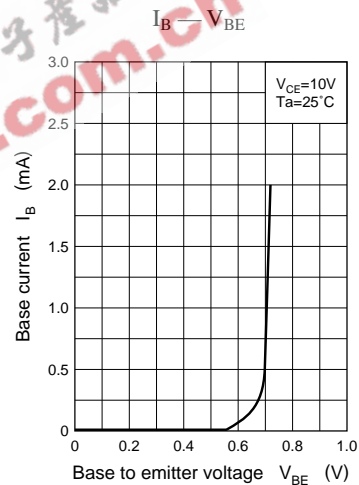
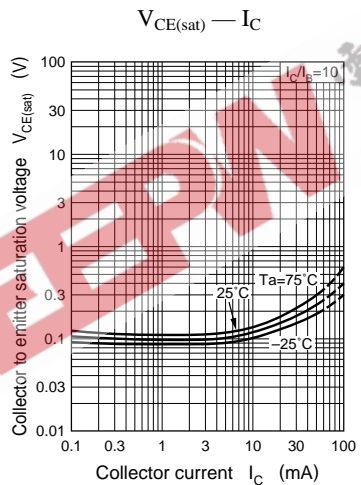
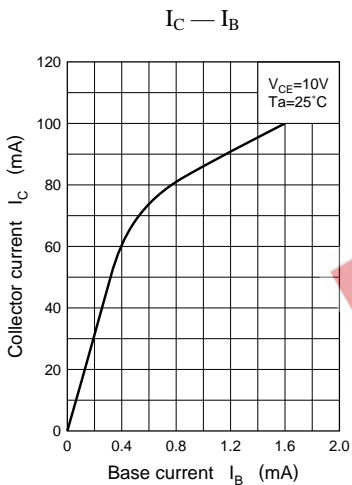
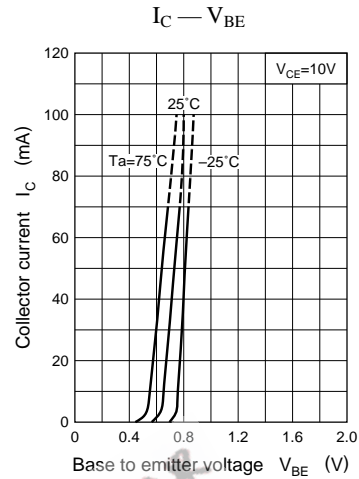
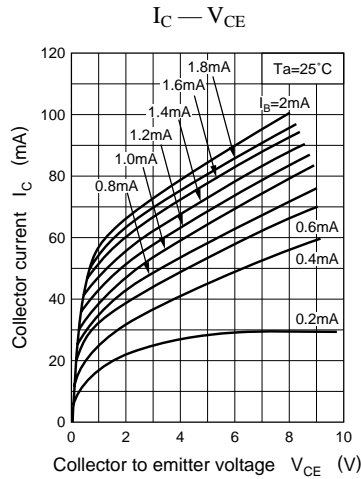
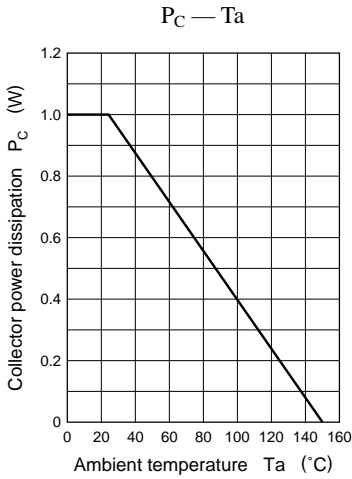
## ■ Electrical Characteristics (Ta=25°C)

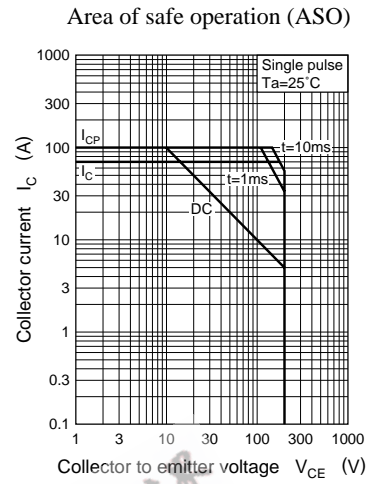
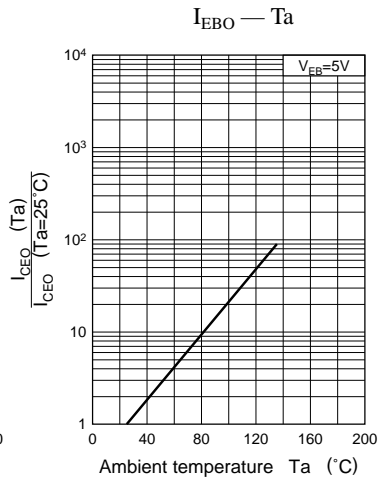
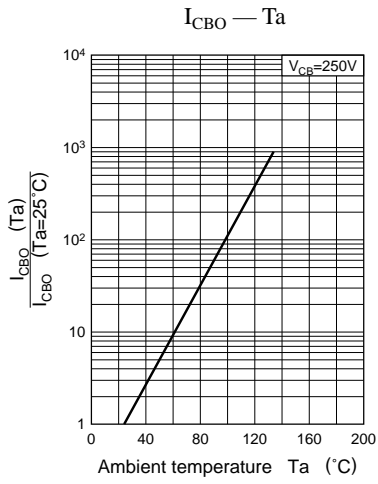
Parameter	Symbol	Conditions	min	typ	max	Unit	
Collector cutoff current	$I_{CBO}$	$V_{CB} = 12V, I_E = 0$			2	$\mu A$	
Collector to emitter voltage	2SC1573 2SC1573A 2SC1573B	$V_{CEO}$	$I_C = 100\mu A, I_B = 0$	200			V
				300			
				400			
Emitter to base voltage	2SC1573 2SC1573A 2SC1573B	$V_{EBO}$	$I_E = 1\mu A, I_C = 0$	5			V
				7			
Forward current transfer ratio	$h_{FE}^*$	$V_{CE} = 10V, I_C = 5mA$	30		220		
Collector to emitter saturation voltage	$V_{CE(sat)}$	$I_C = 50mA, I_B = 5mA$			1.2	V	
Transition frequency	$f_T$	$V_{CB} = 10V, I_E = -10mA, f = 200MHz$	50	80		MHz	
Collector output capacitance	2SC1573 2SC1573A 2SC1573B	$C_{ob}$	$V_{CB} = 10V, I_E = 0, f = 1MHz$		5	10	pF
					4	8	

\* $h_{FE}$  Rank classification

Rank	P	Q	R
$h_{FE}$	30 ~ 100	60 ~ 150	100 ~ 220

\*2SC1573 for Ranks Q and R only





EEPW.com.cn 电子产品世界