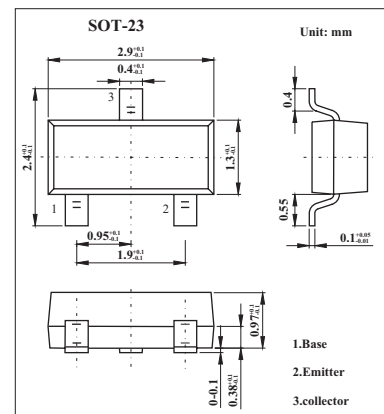


## Silicon PNP Epitaxia

## 2SA1362

## ■ Features

- Suitable for driver stage of small motor.
- Small package.

■ Absolute Maximum Ratings  $T_a = 25^\circ\text{C}$ 

Parameter	Symbol	Rating	Unit
Collector-base voltage	$V_{CB0}$	-15	V
Collector-emitter voltage	$V_{CEO}$	-15	V
Emitter-base voltage	$V_{EBO}$	-5	V
Collector current	$I_c$	-800	mA
Base current	$I_B$	-160	mA
Collector dissipation	$P_C$	200	mW
Junction temperature	$T_j$	150	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to +150	$^\circ\text{C}$

■ Electrical Characteristics  $T_a = 25^\circ\text{C}$ 

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector cut-off current	$I_{CBO}$	$V_{CB} = -15\text{ V}, I_E = 0$			-100	nA
Emitter cut-off current	$I_{EBO}$	$V_{EB} = -5\text{ V}, I_C = 0$			-100	nA
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = -10\text{ mA}, I_B = 0$	-15			V
DC current gain	$h_{FE}$	$V_{CE} = -1\text{ V}, I_C = -100\text{ mA}$	120		400	
Collector-emitter saturation voltage	$V_j$	$I_C = -400\text{ mA}, I_B = -8\text{ mA}$			-0.2	V
Base-emitter voltage	$V_{BE}$	$V_{CE} = -1\text{ V}, I_C = -10\text{ mA}$	-0.5		-0.8	V
Transition frequency	$f_r$	$V_{CE} = -5\text{ V}, I_C = -10\text{ mA}$		120		MHz
Collector output capacitance	$C_{ob}$	$V_{CB} = -10\text{ V}, I_E = 0, f = 1\text{ MHz}$		13		pF

## ■ hFE Classification

Marking	AE	
	Y	G
hFE	120-240	200~400