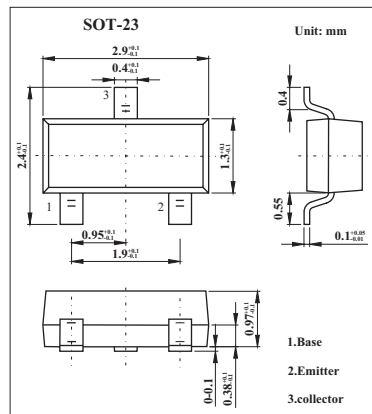


2SC3295

■ Features

- High hFE: hFE = 600~3600.
- High voltage: V_{CEO} = 50 V.
- High collector current: I_c = 150 mA (max).
- Small package.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector-base voltage	V _{CB0}	50	V
Collector-emitter voltage	V _{CEO}	50	V
Emitter-base voltage	V _{EB0}	5	V
Collector current	I _c	150	mA
Base current	I _B	30	mA
Collector power dissipation	P _c	150	mW
Junction temperature	T _j	125	°C
Storage temperature range	T _{stg}	-55 to +125	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector cut-off current	I _{CB0}	V _{CB} = 50 V, I _E = 0			0.1	μA
Emitter cut-off current	I _{EB0}	V _{EB} = 5 V, I _c = 0			0.1	μA
DC current gain	hFE	V _{CE} = 6 V, I _c = 2 mA	600		3600	
Collector-emitter saturation voltage	V _{CE(sat)}	I _c = 100 mA, I _B = 10 mA		0.12	0.25	V
Transition frequency	f _r	V _{CE} = 10 V, I _c = 10 mA	100	250		MHz
Collector output capacitance	C _{ob}	V _{CB} = 10 V, I _E = 0, f = 1 MHz		3.5		pF
Noise figure	NF(1)	V _{CE} = 6 V, I _c = 0.1 mA, f = 100 Hz, R _g = 10kΩ		0.5		dB
	NF(2)	V _{CE} = 6 V, I _c = 0.1 mA, f = 100 Hz, R _g = 10kΩ		0.3		dB

■ hFE Classification

Marking	PA	PB
hFE	600~1800	1200~3600