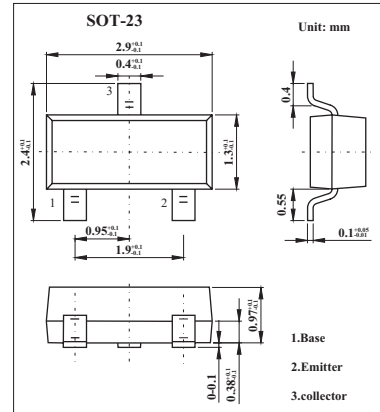


■ Features

- High DC current gain: hFE = 100~320.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector-base voltage	V _{CB0}	35	V
Collector-emitter voltage	V _{CEO}	30	V
Emitter-base voltage	V _{EB0}	5	V
Collector current	I _c	800	mA
Base current	I _B	160	mA
Collector power dissipation	P _C	200	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector cut-off current	I _{CB0}	V _{CB} = 35 V, I _E = 0			0.1	μA
Emitter cut-off current	I _{EB0}	V _{EB} = 5 V, I _C = 0			0.1	μA
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C = 10mA, I _B = 0	30			V
DC current gain	hFE	V _{CE} = 1 V, I _C = 100 mA	100		320	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C = 500 mA, I _B = 20 mA			0.5	V
Base-emitter voltage	V _{BE}	V _{CE} = 1 V, I _C = 10 mA	0.5		0.8	V
Transition frequency	f _T	V _{CE} = 5 V, I _C = 10 mA		120		MHz
Collector output capacitance	C _{ob}	V _{CB} = 10 V, I _E = 0, f = 1 MHz		13		pF

■ hFE Classification

Marking	A	
	Rank	O
hFE	100~200	160~320