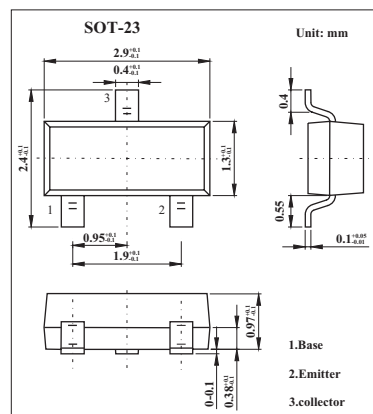


2SA1235

■ Features

- Small collector to emitter saturation voltage.
- Excellent lineary DC forward current gain.
- Super mini package for easy mounting.



■ 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}	-6	V
Collector current	I _c	-200	mA
Collector dissipation (Ta=25°C)	P _c	150	mW
Jumction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55 to +125	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _c = -100μA , R _{BE} = ∞	-50			V
Collector cutoff current	I _{cBO}	I _{CB} = -50V , I _E = 0			-0.1	μA
Emitter cutoff current	I _{EBO}	V _{EB} = -6V , I _c = 0			-0.1	μA
DC current gain	h _{FE}	V _{CE} = -6V , I _c = -1mA	150		800	
Collector-emitter saturation voltage	V _{CE(sat)}	I _c = -100mA , I _B = -10mA			-0.3	V
Current gain bandwidth product	f _T	V _{CE} = -6V , I _E = 10mA		200		MHz
Collector output capacitance	C _{ob}	V _{CB} = -6V , I _E = 0 , f = 1MHz		4.0		pF
Noise figure	NF	V _{CB} = -6V , I _E = 0.3mA , f = 100Hz , R _G = 10KΩ			20	dB

■ hFE Classification

Marking	ME	MF	MG
hFE	150~300	250~500	400~800