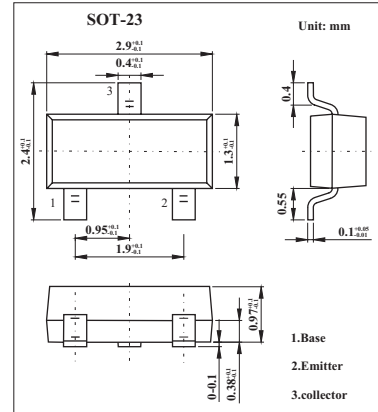


■ Features

- Low current (max. 30 mA)
- Low Voltage (max. 20 V)



■ Absolute Maximum Ratings TA=25°C

Parameter	Symbol	Max	Unit
Collector-base voltage (Emitter open)	V _{CB0}	30	V
Collector-emitter voltage (Base open)	V _{CEO}	20	V
Emitter-base voltage (Collector open)	V _{EB0}	5	V
Collector current	I _C	30	mA
Peak collector current	I _{CM}	30	mA
Total power dissipation	P _{tot}	250	mW
Storage temperature	T _{stg}	150	°C
Junction temperature	T _j	150	°C
Operating ambient temperature	T _{amb}	150	°C

■ Electrical Characteristics TA=25°C ± 3°C

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base Breakdown voltage	BV _{CB0}	I _C = 100 μA , I _E = 0	30			V
Collector-emitter Breakdown voltage	BV _{CEO}	I _C = 1mA , I _B = 0	20			V
Emitter-base Breakdown voltage	BV _{EB0}	I _E = 100 μA , I _C = 0	5			V
Collector-base cutoff current	I _{CB0}	V _{CB} = 20 V , I _E = 0			100	nA
		V _{CB} = 20 V , I _E = 0 , T _j = 100°C			10	μA
Emitter-base cutoff current	I _{EB0}	V _{EB} = 5.0 V , I _C = 0			100	nA
Forward current transfer ratio	h _{FE}	V _{CE} = 10 V , I _C = 1.0 mA	65		225	
Emitter-base voltage	V _{BE}	V _{CE} = 10 V , I _C = 1.0 mA	650		740	mV
Transition frequency	f _T	V _{CE} = 10 V , I _C = 1 mA , f = 100 MHz		260		MHz
Collector capacitance	C _C	V _{CB} = 10 V , I _E = 1 mA , f = 1 MHz		1		pF
Feedback capacitance	C _{re}	V _{CB} = 10 V , I _C = 0 mA , f = 1 MHz		0.85		pF

■ Marking

Marking	F2
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