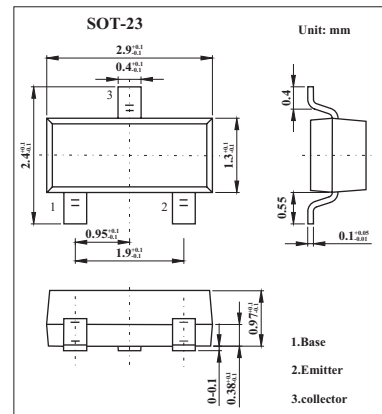


2SC4702

■ Features

- High breakdown voltage
V_{CEO} = 300 V
- Small Cob
C_{ob} = 1.5 pF Typ.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector-base voltage	V _{CB0}	300	V
Collector-emitter voltage	V _{CEO}	300	V
Emitter-base voltage	V _{EBO}	5	V
Collector current	I _c	100	mA
Collector dissipation	P _c	150	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-base breakdown voltage	V _{(BR)CBO}	I _c = 10μA , I _E = 0	300			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _c = 1mA , R _{BE} = ∞	300			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E = 10μA , I _c = 0	5			V
Collector cutoff current	I _{CBO}	V _{CB} = 250V , I _E =0			0.1	μA
Collector-emitter saturation voltage	V _{CE(sat)}	I _c = 30mA , I _B = 3mA			0.5	V
DC current gain	h _{FE}	V _{CE} = 6V , I _c = 2mA	60		150	
Gain bandwidth product	f _T	V _{CE} = 6V , I _c = 5mA		80		MHz
Collector output capacitance	C _{ob}	V _{CB} = 10V , I _E =0, f = 1MHz		1.5		pF

■ Marking

Marking	XV-
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