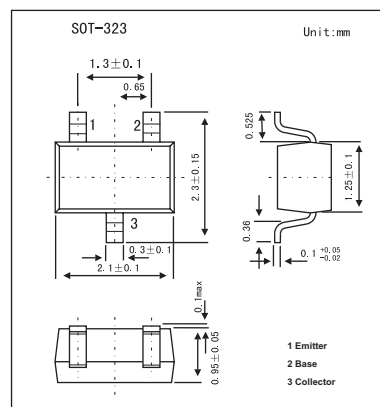


High Frequency Amplifier

2SC4774

■ Features

- Very low output-on resistance (Ron).
- Low capacitance.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector-base voltage	V _{CB0}	12	V
Collector-emitter voltage	V _{CEO}	6	V
Emitter-base voltage	V _{EBO}	3	V
Collector current	I _c	50	mA
Collector power dissipation	P _c	0.2	W
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 voltage	BV _{CB0}	I _c =10μA	12			V
Collector-emitter voltage	BV _{CEO}	I _c =1mA	6			V
Emitter-base voltage	BV _{EBO}	I _E =10μA	3			V
Collector cutoff current	I _{cBO}	V _{CB} =10V			0.5	μA
Emitter cutoff current	I _{EBO}	V _{EB} =2V			0.5	μA
Collector-emitter saturation voltage	V _{CE(sat)}	I _c /I _B =10mA/1mA			0.3	V
Forward current transfer ratio	h _{FE}	V _{CE} /I _c =5V/5mA	270		560	
Transition frequency	f _T	V _{CE} =5V, I _E =-10mA, f=200MHz	300	800		MHz
Output capacitance	C _{ob}	V _{CB} =10V, I _E =0A, f=1MHz		1	1.7	pF
Output-on resistance	R _{on}	I _B =3mA, V _i =100mVrms, f=500kHz		2		Ω

■ Marking

Marking	BMS
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