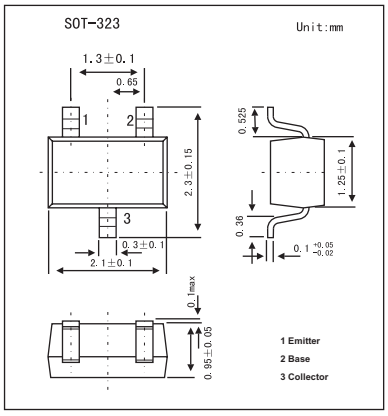
High Frequency Amplifier

2SC4774



■ Features

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

■ Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Rating	Unit
Collector-base voltage	V_{CBO}	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	℃
Storage temperature	T_{stg}	-55 to +150	℃

■ Electrical Characteristics Ta = 25℃

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector-base voltage	BV_{CBO}	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	Ron	I_B=3mA, V_I=100mVrms, f=500kHz		2		Ω

■ Marking

Marking	BMS