查询2SC4809供应商

 捷多邦,专业PCB打样工厂,24小时加急 **Patagsonic**

Transistor

2SC4809

Silicon NPN epitaxial planer type

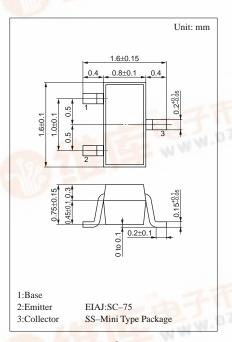
For high-frequency amplification/oscillation/mixing

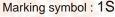
Features

- High transition frequency f_T .
- Small collector output capacitance C_{ob} and common base reverse transfer capacitance C_{rb}.
- SS-Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing.

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	15	V
Collector to emitter voltage	V _{CEO}	10	V
Emitter to base voltage	V_{EBO}	3	V
Collector current	I _C	50	mA
Collector power dissipation	P _C	125	mW
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55 ~ +125	°C





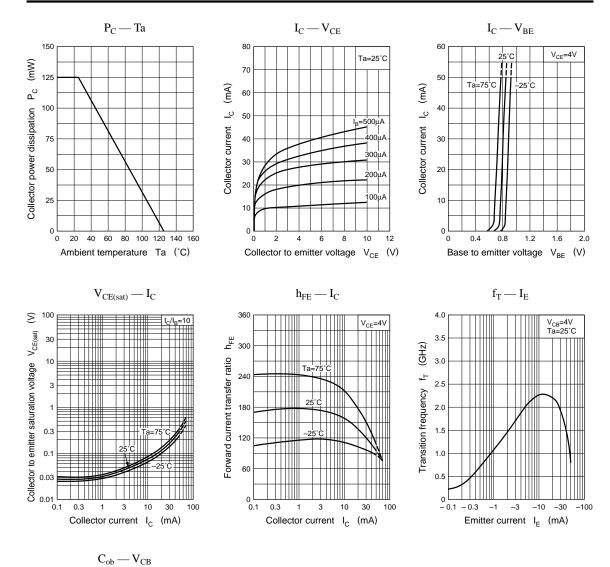
Electrical Characteristics (Ta=25°C)

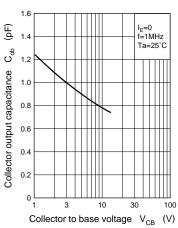
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I _{CBO}	$V_{CB} = 10V, I_E = 0$			1	μΑ
Collector to emitter voltage	V _{CEO}	$I_C = 2mA, I_B = 0$	10			V
Emitter to base voltage	V _{EBO}	$I_E = 10 \mu A, I_C = 0$	3		- dP	V
Forward current transfer ratio	h _{FE} *	$V_{CE} = 4V, I_C = 5mA$	75		400	NVI-
Collector to emitter saturation voltage	V _{CE(sat)}	$I_C = 20 \text{mA}, I_B = 4 \text{mA}$	-715	1	0.5	V
Transition frequency	f _T	$V_{CB} = 4V, I_E = -5mA, f = 200MHz$	1.4	1.9	2.7	GHz
Collector output capacitance	C _{ob}	$V_{CB} = 4V, I_E = 0, f = 1MHz$		1.4		pF
Base time constant	$r_{bb}' \cdot C_C$	$V_{CB} = 4V, I_E = -5mA, f = 31.9MHz$		11		PS
Common emitter reverse transfer capacitance	C _{rb}	$V_{CB} = 4V$, $I_E = 0$, $f = 1MHz$		0.45		pF
h _{FE} ratio		$\frac{V_{CE} = 4V, I_C = 100\mu A}{V_{CE} = 4V, I_C = 5mA}$	0.75		1.6	

*hFE Rank classification

Rank	Р	Q	R
D tt T PAF	75 ~ 130	110 ~ 220	200 ~ 400
Marking Symbol	1SP	1SQ	1SR
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Transistor





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