查询2SC3940供应商

推多邦,专业PCB打样工厂,24小时加急 **Pamasonic**

Transistor

2SC3940, 2SC3940A

Silicon NPN epitaxial planer type

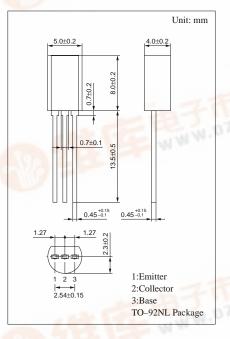
For low-frequency output amplification and driver amplification Complementary to 2SA1534 and 2SA1534A

Features

- Low collector to emitter saturation voltage V_{CE(sat)}.
- Allowing supply with the radial taping.

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Parameter		Symbol	Ratings	Unit	
Collector to	2SC3940	V	30	V	
base voltage	2SC3940A	V _{CBO}	60	CC.COM	
Collector to	2SC3940	V	25	V	
emitter voltage	2SC3940A	V _{CEO}	50	v	
Emitter to base voltage		V _{EBO}	5	V	
Peak collector current		I _{CP}	1.5	А	
Collector current		I _C	1	А	
Collector power dissipation		P _C	1	W	
Junction temperature		Tj	150	°C	
Storage temperature		T _{stg}	-55 ~ +150	°C	

Absolute Maximum Ratings (Ta=25°C)



Electrical Characteristics (Ta=25°C)

Parameter		Symbol	Conditions	min	typ	max	Unit
Collector cutoff current		I _{CBO}	$V_{CB} = 20V, I_E = 0$			0.1	μΑ
Collector to base	2SC3940		$I_C = 10 \mu A, I_E = 0$	30			v
voltage	2SC3940A	V _{CBO}		60		1.1	
Collector to emitter	2SC3940	37	$I_{\rm C} = 2$ mA, $I_{\rm B} = 0$	25	1	R	v
voltage	2SC3940A	V _{CEO}		50		ž	
Emitter to base voltage		V _{EBO}	$I_{\rm E} = 10\mu A, I_{\rm C} = 0$	5			V
Forward current transfer ratio		h _{FE1} *1	$V_{CE} = 10V, I_C = 500 \text{mA}^{*2}$	85		340	
		h _{FE2}	$V_{CE} = 5V, I_B = 1A^{*2}$	50			
Collector to emitter saturation voltage V _{CE(sat)}		$I_{\rm C} = 500 {\rm mA}, I_{\rm B} = 50 {\rm mA}^{*2}$		0.2	0.4	V	
Base to emitter saturation voltage V _{BE(sat)}		$I_B = 500 \text{mA}, I_a = 50 \text{mA}^{*2}$		0.85	1.2	V	
Transition frequency f _T		$V_{CB} = 10V, I_E = -50mA, f = 200MHz$		200		MHz	
Collector output capacitance C _{ob}		$V_{CB} = 10V, I_E = 0, f = 1MHz$		11	20	pF	

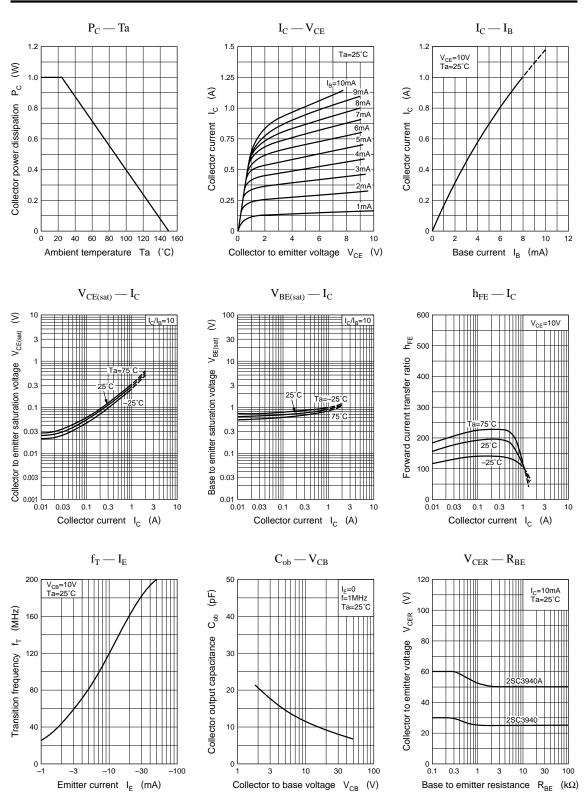
^{*1}h_{FE1} Rank classification



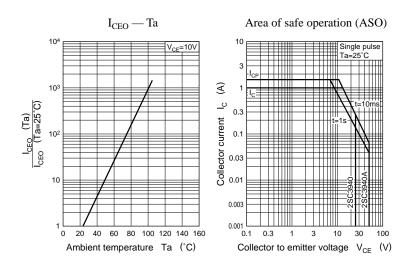
*2 Pulse measurement

Transistor

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