TOSHIBA Transistor Silicon PNP Epitaxial Type (PCT process)

2SA950

Audio Power Amplifier Applications

Unit: mm

• High hFE: $hFE = 100 \sim 320$

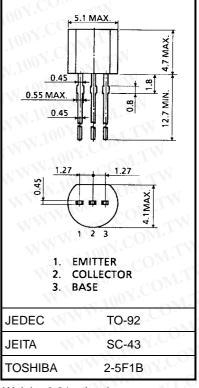
• 1 W output applications

• Complementary to 2SC2120

勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

Maximum Ratings (Ta = 25°C)

1110					
Characteristics	Symbol	Rating	Unit		
Collector-base voltage	V _{CBO}	-35	V		
Collector-emitter voltage	V _{CEO}	-30	V		
Emitter-base voltage	V _{EBO}	-5	V		
Collector current	Ic	-800	mA		
Base current	IB	-160	mA		
Collector power dissipation	P _C	600	mW		
Junction temperature	Tj	150	oc_		
Storage temperature range	T _{stg}	-55~150	°C		



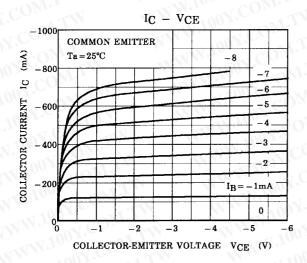
Weight: 0.21 g (typ.)

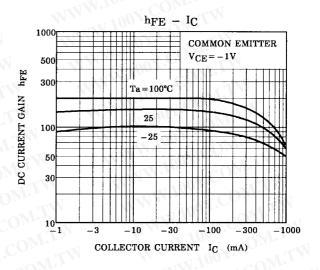
Electrical Characteristics (Ta = 25°C)

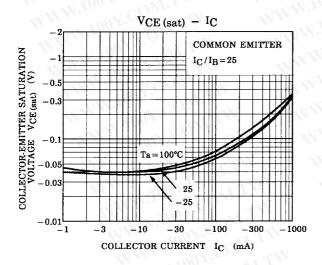
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Collector cut-off current	I _{CBO}	$V_{CB} = -35 \text{ V}, I_{E} = 0$	TIL	_ <	-0.1	μΑ
Emitter cut-off current	I _{EBO}	$V_{EB} = -5 \text{ V}, I_{C} = 0$	TH	_	-0.1	μА
Collector-emitter breakdown voltage	V (BR) CEO	$I_C = -10 \text{ mA}, I_B = 0$	-30	_	W	V
DC current gain hFE (1) (No hFE (2)	h _{FE (1)} (Note)	V _{CE} = -1 V, I _C = -100 mA	100	V	320	
	h _{FE} (2)	$V_{CE} = -1 \text{ V, } I_{C} = -700 \text{ mA}$	35	- <u>4</u> 1	_	
Collector-emitter saturation voltage	V _{CE} (sat)	$I_C = -500 \text{ mA}, I_B = -20 \text{ mA}$	Mo	LA	-0.7	٧
Base-emitter voltage	V _{BE}	$V_{CE} = -1 \text{ V, } I_{C} = -10 \text{ mA}$	-0.5	TIM	-0.8	V
Transition frequency	f _T .CO	$V_{CE} = -5 \text{ V}, I_{C} = -10 \text{ mA}$	07.00	120		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10 \text{ V}, I_E = 0, f = 1 \text{ MHz}$	WATO	19	_	pF

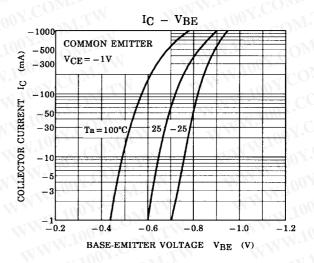
Note: h_{FE} (1) classification O: 100~200, Y: 160~320

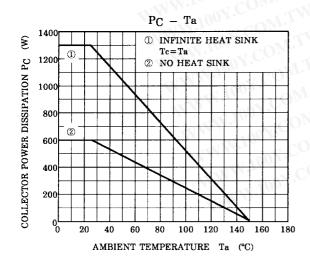
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TOSHIBA

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