TOSHIBA Transistor Silicon PNP Epitaxial Type (PCT process)

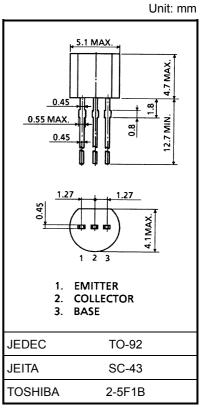
2SA562TM

Audio Frequency Low Power Amplifier Applications
Driver Stage Amplifier Applications
Switching Applications

- Excellent hFE linearity: hFE (2) = 25 (min) at VCE = -6 V, IC = -400 mA
- 1 watt amplifier application.
- Complementary to 2SC1959.

Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Collector-base voltage	V_{CBO}	-35	٧
Collector-emitter voltage	V _{CEO}	-30	٧
Emitter-base voltage	V _{EBO}	-5	٧
Collector current	IC	-500	mA
Base current	ΙΒ	-100	mA
Collector power dissipation	PC	500	mW
Junction temperature	Tj	150	°C
Storage temperature range	T _{stg}	-55~150	°C



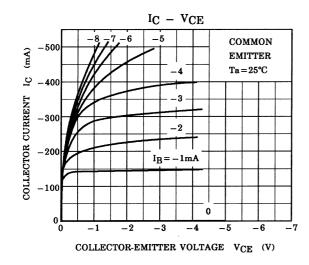
Weight: 0.21 g (typ.)

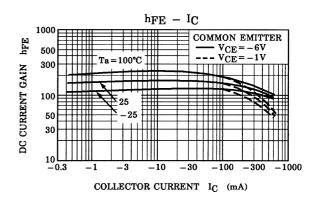
Electrical Characteristics (Ta = 25°C)

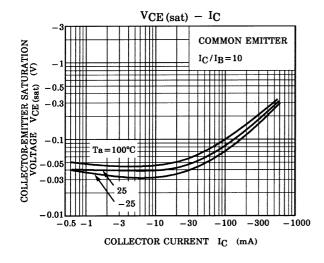
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Collector cut-off current	I _{CBO}	$V_{CB} = -35 \text{ V}, I_E = 0$	_	_	-0.1	μΑ
Emitter cut-off current	I _{EBO}	$V_{EB} = -5 \text{ V}, I_{C} = 0$	_	_	-0.1	μΑ
DC current gain	h _{FE (1)} (Note)	V _{CE} = -1 V, I _C = -100 mA	70	_	240	
	h _{FE (2)} (Note)	V _{CE} = -6 V, I _C = -400 mA	25	_	_	
Collector-emitter saturation voltage	V _{CE (sat)}	$I_C = -100 \text{ mA}, I_B = -10 \text{ mA}$	_	-0.1	-0.25	V
Base-emitter voltage	V_{BE}	$V_{CE} = -1 \text{ V}, I_{C} = -100 \text{ mA}$	_	-0.8	-1.0	V
Transition frequency	f _T	$V_{CE} = -6 \text{ V}, I_{C} = -20 \text{ mA}$	_	200	_	MHz
Collector output capacitance	C _{ob}	$V_{CB} = -6 \text{ V}, I_E = 0, f = 1 \text{ MHz}$	_	13	_	pF

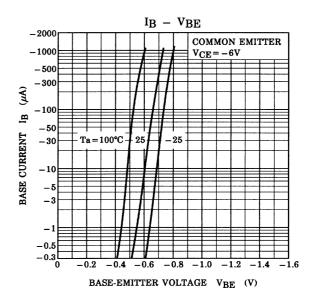
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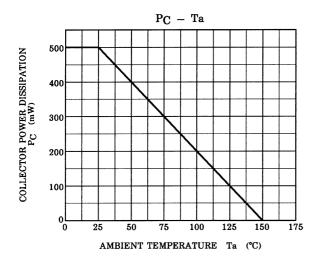
Note: $h_{FE\ (1)}$ classification O: 70~140, Y: 120~240 $h_{FE\ (2)}$ classification O: 25 (min), Y: 40 (min)











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