TOSHIBA TRANSISTOR SILICON PNP EPITAXIAL TYPE (PCT PROCESS)

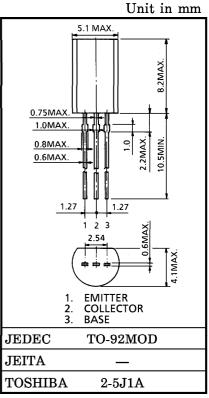
2SA966

AUDIO POWER AMPLIFIER APPLICATIONS

• Complementary to 2SC2236 and 3W Output Applications.

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	v_{CBO}	-30	V
Collector-Emitter Voltage	v_{CEO}	-30	V
Emitter-Base Voltage	$v_{ m EBO}$	-5	V
Collector Current	$I_{\mathbf{C}}$	-1.5	A
Emitter Current	$\mathbf{I_E}$	1.5	Α
Collector Power Dissipation	PC	900	mW
Junction Temperature	T_{j}	150	°C
Storage Temperature Range	$\mathrm{T_{stg}}$	-55~150	°C



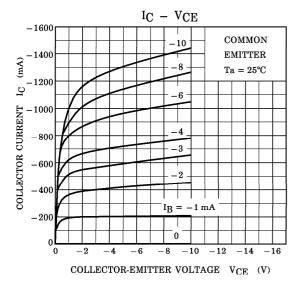
Weight: 0.36 g (Typ.)

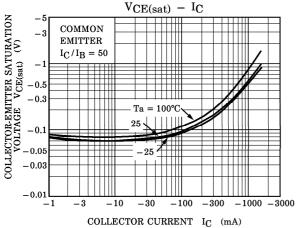
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

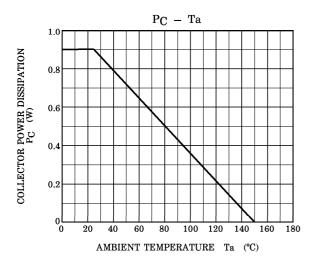
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB} = -30 \text{ V}, I_{E} = 0$	_	_	-100	nA
Emitter Cut-off Current	I_{EBO}	$V_{EB} = -5 \text{ V}, I_{C} = 0$	_	_	-100	nA
Collector-Emitter Breakdown Voltage	V (BR) CEO	$I_{\rm C} = -10 { m mA}, I_{ m B} = 0$	-30	_	_	V
Emitter-Base Breakdown Voltage	V (BR) EBO	$I_{\mathrm{E}}=-1\mathrm{mA},~I_{\mathrm{C}}=0$	-5	_	_	V
DC Current Gain	h _{FE} (Note)	$V_{\rm CE} = -2 { m V}, { m I}_{ m C} = -500 { m mA}$	100	_	320	
Collector-Emitter Saturation Voltage	V _{CE} (sat)	$I_{\rm C} = -1.5 {\rm A}, \ I_{\rm B} = -0.03 {\rm A}$	_	_	-2.0	V
Base-Emitter Voltage	$ m V_{BE}$	$V_{CE} = -2 V, I_{C} = -500 \text{ mA}$	_	_	-1.0	V
Transition Frequency	$ m f_{T}$	$V_{CE} = -2 \text{ V}, I_{C} = -500 \text{ mA}$	_	120	_	MHz
Collector Output Capacitance	C _{ob}	$V_{CB} = -10 V, I_{E} = 0,$ f = 1 MHz	_	40	_	pF

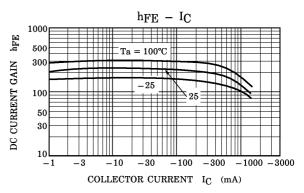
(Note) : hFE Classification $O:100\sim200$, $Y:160\sim320$

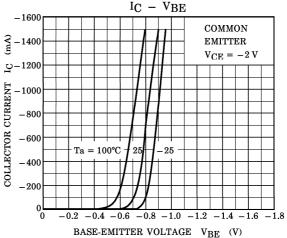
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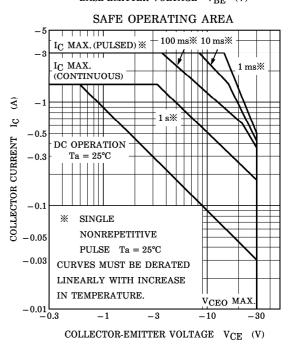












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