TOSHIBA TRANSISTOR SILICON PNP EPITAXIAL TYPE (PCT PROCESS)

2 S A 9 6 6

AUDIO POWER AMPLIFIER APPLICATIONS.

Complementary to 2SC2236 and 3Watts 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_{EBO}	-5	V
Collector Current	$I_{\mathbf{C}}$	-1.5	Α
Emitter Current	$I_{\mathbf{E}}$	1.5	Α
Collector Power Dissipation	PC	900	mW
Junction Temperature	Tj	150	$^{\circ}\mathrm{C}$
Storage Temperature Range	$T_{ m stg}$	-55~150	°C

Unit in mm 5.1 MAX 1.0 MAX 0.8 MAX 0.5 MIN 0.6 MAX 1.27 1.27 EMITTER COLLECTOR BASE **JEDEC** TO-92MOD **EIAJ** TOSHIBA 2-5J1A

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight	:	0.36g
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CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB} = -30V, I_{E} = 0$	_	_	-100	nА
Emitter Cut-off Current	$I_{ m EBO}$	$V_{EB} = -5V, I_C = 0$		_	-100	nA
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	$I_{C} = -10 \text{mA}, I_{B} = 0$	-30	_	_	V
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	$I_{E} = -1 \text{mA}, I_{C} = 0$	-5	_	_	v
DC Current Gain	hFE (Note)	$V_{CE} = -2V, I_{C} = -500 \text{mA}$	100	_	320	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	$I_C = -1.5A, I_B = -0.03A$	_	_	-2.0	V
Base-Emitter Voltage	$ m V_{BE}$	$V_{CE} = -2V, I_{C} = -500 \text{mA}$	_	_	-1.0	V
Transition Frequency	${ m f_T}$	$V_{CE} = -2V, I_{C} = -500 \text{mA}$	_	120	_	MHz
Collector Output Capacitance	C_{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$	_	_	30	рF

Note: hff. Classification $O: 100\sim200, Y: 160\sim320$

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TOSHIBA 2SA966











