TOSHIBA TRANSISTOR SILICON PNP TRIPLE DIFFUSED TYPE (PCT PROCESS)

## 2SA1304

POWER AMPLIFIER APPLICATIONS. VERTICAL OUTPUT APPLICATIONS.

• Complementary to 2SC3296.

## MAXIMUM RATINGS (Ta = 25°C)

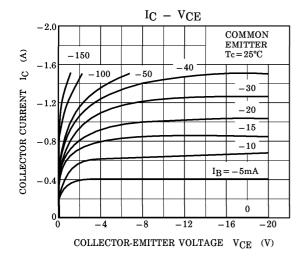
CHARACTERISTIC	SYMBOL	RATING	UNIT		
Collector-Base Voltage		VCBO	<b>-15</b> 0	V	
Collector-Emitter Voltage		$v_{CEO}$	-150	V	
Emitter-Base Voltage		$v_{\mathrm{EBO}}$	-5	V	
Collector Current		$I_{\mathbf{C}}$	-1.5	A	
Base Current		IB	-0.5	A	
Collector Power	Га=25°С	PC	2.0	W	
Dissipation	$T_c = 25^{\circ}C$		20		
Junction Temperature		$T_{j}$	150	°C	
Storage Temperature Range		$\mathrm{T_{stg}}$	-5 <mark>5~</mark> 150	°C	
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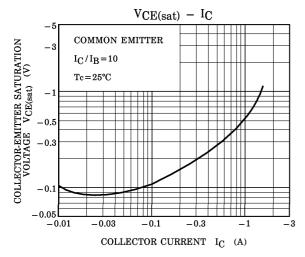
Weight: 2.1g

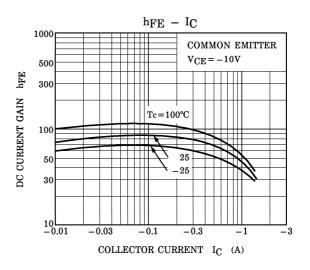
## ELECTRICAL CHARACTERISTICS (Ta = 25°C)

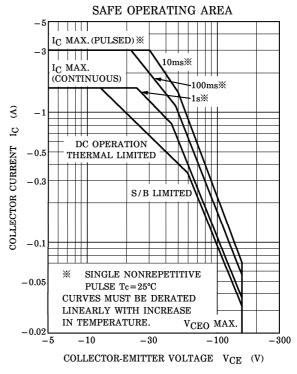
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	$I_{\mathrm{CBO}}$	$V_{CB} = -120V, I_{E} = 0$	120	Ju-07	-10	$\mu$ A
Emitter Cut-off Current	$I_{\mathrm{EBO}}$	$V_{EB} = -5V$ , $I_{C} = 0$	A A	_	-10	$\mu$ A
DC Current Gain	${ t h_{ extbf{FE}}}$	$V_{CE} = -10V, I_{C} = -500mA$	40	75	140	
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>	$I_{C} = -500 \text{mA}, I_{B} = -50 \text{mA}$	_	_	-1.5	V
Base-Emitter Voltage	$ m V_{BE}$	$V_{CE} = -10V, I_{C} = -500mA$	-0.65	-0.75	-0.85	V
Transition Frequency	${f f_T}$	$V_{CE} = -10V, I_{C} = -500mA$	_	4	_	MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB} = -10V, I_{E} = 0, f = 1MHz$		55		pF
					90.0	











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