TOSHIBA TRANSISTOR SILICON PNP TRIPLE DIFFUSED TYPE

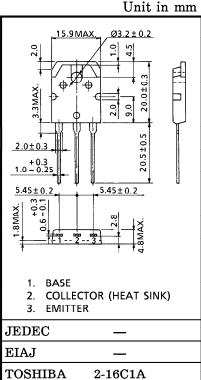
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POWER AMPLIFIER APPLICATIONS

- High Collector Voltage : $V_{CEO} = -230V$ (Min.)
- Complementary to 2SC5242
- Recommend for 80W High Fidelity Audio Frequency Amplifier Output Stage.

MAXIMUM RATINGS (Ta = 25° C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	VCBO	-230	V
Collector-Emitter Voltage	VCEO	-230	V
Emitter-Base Voltage	VEBO	-5	V
Collector Current	IC	-15	A
Base Current	IB	-1.5	Α
Collector Power Dissipation (Tc=25°C)	PC	130	w
Junction Temperature	Tj	150	°C
Storage Temperature Range	T _{stg}	$-55 \sim 150$	°C



ELECTRICAL CHARACTERISTICS ($Ta = 25^{\circ}C$)

Weight: 4.7g (Typ.)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{CBO}	$V_{CB} = -230V, I_E = 0$	_	_	-5.0	μA
Emitter Cut-off Current	IEBO	$V_{EB} = -5V, I_C = 0$	_		-5.0	$\mu \mathbf{A}$
Collector-Emitter Breakdown Voltage	V _(BR) CEO	$I_{C} = -50 \text{mA}, I_{B} = 0$	-230		_	v
DC Current Gain	hFE (1) (Note)	$V_{CE} = -5V, I_C = -1A$	55		160	
	hFE (2)	$V_{CE} = -5V, I_C = -7A$	35	60		
Collector-Emitter Saturation Voltage	V _{CE (sat})	$I_{C} = -8A, I_{B} = -0.8A$	_	-1.5	-3.0	v
Base-Emitter Voltage	V _{BE}	$V_{CE} = -5V, I_C = -7A$	_	-1.0	-1.5	V
Transition Frequency	$_{\rm fT}$	$V_{CE} = -5V, I_C = -1A$		30	_	MHz
Collector Output Capacitance	C _{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$		360	_	pF

Note : $h_{FE(1)}$ Classification R:55~110, O:80~160

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