

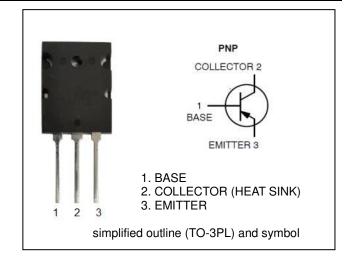
Silicon PNP Power Transistors

DESCRIPTION

- · High Collector-Emitter Breakdown Voltage-
 - : V(BR)CEO= 230V(Min)
- ·Complement to Type 2SC5200

APPLICATIONS

- · Power amplifier applications
- · Recommend for 100W high fidelity audio frequency amplifier output stage applications



MAXIMUM RATINGS

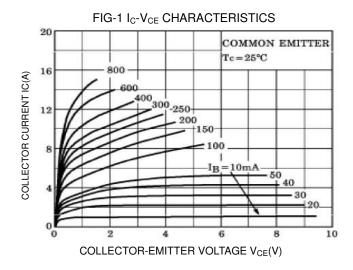
Characteristic	Symbol	2SA1943	Unit
Collector-Base Voltage	V _{CBO}	230	٧
Collector-Emitter Voltage	V _{CEO}	230	٧
Emitter-Base Voltage	V _{EBO}	5	٧
Collector Current	Ic	15	Α
Base current	lв	1.5	Α
Collector power dissipation @ Tc=25°C	Pc	150	W
Junction Temperature	T _j ,	150	°C
Storage Temperature Range	T _{stg}	-65 to +150	°C

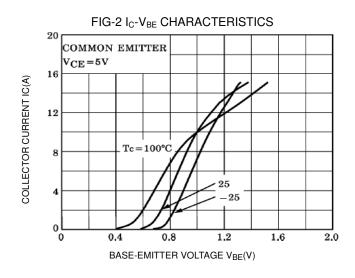
ELECTRICAL CHARATERISTICS (Tc=25°C unless otherwise notes)

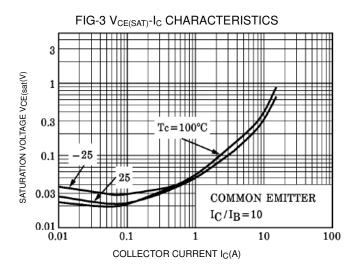
Characteristic	Symbol	Min.	Тур.	Max.	Unit
Collector-Emitter Breakdown Voltage (I _C = 50 mA, I _B =0)	V _{CEO}	230			V
Collector Cutoff Current (VCB = 230 V , I _E = 0V)	I _{CBO}			5	uA
Emitter Cutoff Current (V _{EB} = 5.0 V , Ic =0)	I _{EB0}			5	uA
DC Current Gain (I _C = 1.0 A, V _{CE} =5.0 V)	h _{FE(1)} (Note)	55		160	
DC Current Gain (I _C = 7.0 A, V _{CE} =5.0 V)	h _{FE(2)}	35			
Collector-Emitter Saturation Voltage ($I_C = 8.0 \text{ A}$, $I_B = 0.8 \text{ A}$)	V _{CE(SAT)}			3.0	V
Base-Emitter On Voltage (I _C = 7.0 A, V _{CE} =5.0 V)	$V_{BE(ON)}$			1.5	V
Output Capacitance (IE=0 , VcB= 10V , f = 1.0MHz)	Сов		200		pF
Current-Gain—Bandwidth Product (Ic= 1A; Vc= 5V)	fτ		30		MHz

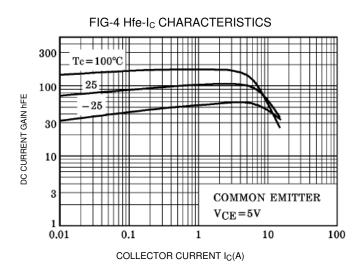
Note : $h_{FE(1)}$ Classifications R : 55~110 , O : 80~160

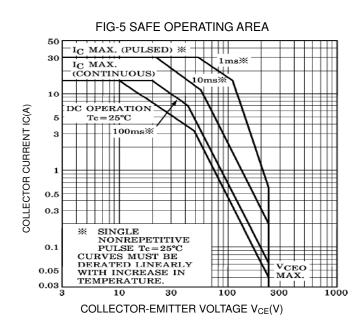








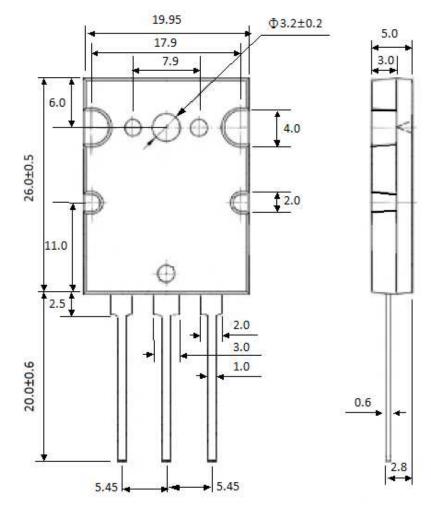






PACKAGE OUTLINE DIMENSIONS (Unit in mm)

TO-3PL





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