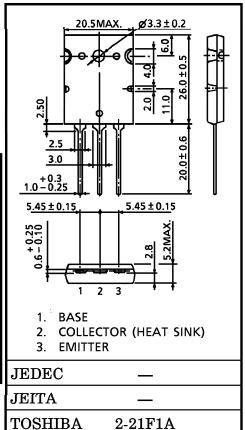
2 S A 1 9 4 3

POWER AMPLIFIER APPLICATIONS

- Complementary to 2SC5200
- Recommended for 100 W High Fidelity Audio Frequency Amplifier Output Stage.

MAXIMUM RATINGS (Tc = 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	Α	
Base Current	IB	-1.5	A	
Collector Power Dissipation ($Tc = 25^{\circ}C$)	PC	150	W	
Junction Temperature	Tj	150	°C	
Storage Temperature Range	T _{stg}	$-55 \sim 150$	°C	



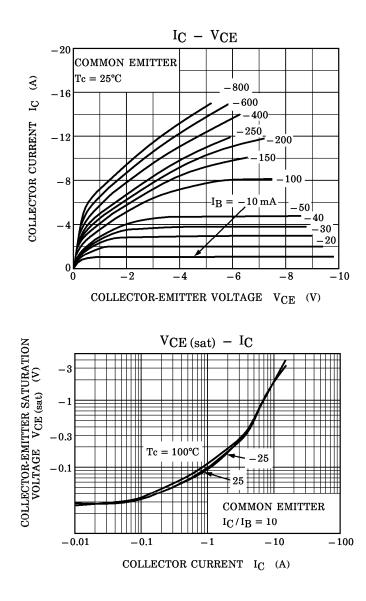
Weight: 9.75 g (Typ.)

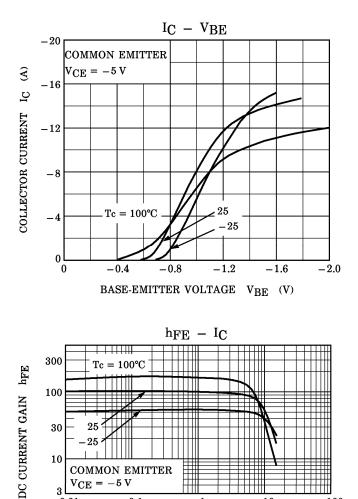
ELECTRICAL CHARACTERISTICS ($Tc = 25^{\circ}C$)

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CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	ICBO	$V_{CB} = -230 V, I_E = 0$			-5.0	$\mu \mathbf{A}$
Emitter Cut-off Current	I _{EBO}	$V_{EB} = -5 V, I_{C} = 0$	—		-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)	$V_{CE} = -5 V, I_{C} = -1 A$	55		160	
	hFE (2)	$V_{CE} = -5 V, I_{C} = -7 A$	35	60	_	
Collector-Emitter Saturation Voltage	V _{CE (sat)}	$I_{C} = -8 A, I_{B} = -0.8 A$	_	-1.5	-3.0	V
Base-Emitter Voltage	V _{BE}	$V_{CE} = -5 V, I_{C} = -7 A$	—	-1.0	-1.5	V
Transition Frequency	$^{\mathrm{f}}\mathrm{T}$	$V_{CE} = -5 V, I_{C} = -1 A$		30	_	MHz
Collector Output Capacitance	C _{ob}		_	360	_	pF

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

Unit in mm





 $V_{CE} = -5 V$ -0.01 -0.1 -1 -10 -100COLLECTOR CURRENT $I_{\mathbb{C}}$ (A)

3



