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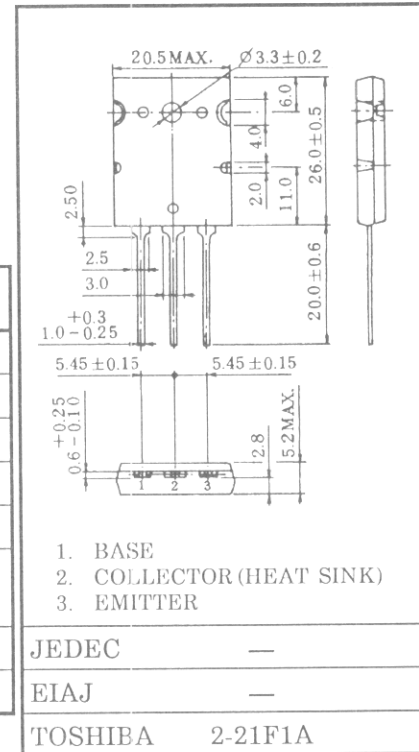
POWER AMPLIFIER APPLICATIONS.

- Complementary to 2SC3281
- Recommend for 100W High Fidelity Audio Frequency Amplifier Output Stage.

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CB0}	-200	V
Collector-Emitter Voltage	V _{CEO}	-200	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current	I _C	-15	A
Base Current	I _B	-1.5	A
Collector Power Dissipation (Tc = 25°C)	P _C	150	W
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	-55~150	°C

Unit in mm



Weight : 9.75g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{CB0}	V _{CB} = -200V, I _E = 0	--	--	-5.0	μA
Emitter Cut-off Current	I _{EBO}	V _{EB} = -5V, I _C = 0	--	--	-5.0	μA
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	I _C = -50mA, I _B = 0	-200	--	--	V
DC Current Gain	h _{FE(1)} (Note)	V _{CE} = -5V, I _C = -1A	55	--	160	
	h _{FE(2)}	V _{CE} = -5V, I _C = -8A	35	60	--	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C = -10A, I _B = -1A	--	-1.5	-3.0	V
Base-Emitter Voltage	V _{BE}	V _{CE} = -5V, I _C = -8A	--	-1.0	-1.5	V
Transition Frequency	f _T	V _{CE} = -5V, I _C = -1A	--	25	--	MHz
Collector Output Capacitance	C _{ob}	V _{CB} = -10V, I _E = 0, f = 1MHz	--	470	--	pF

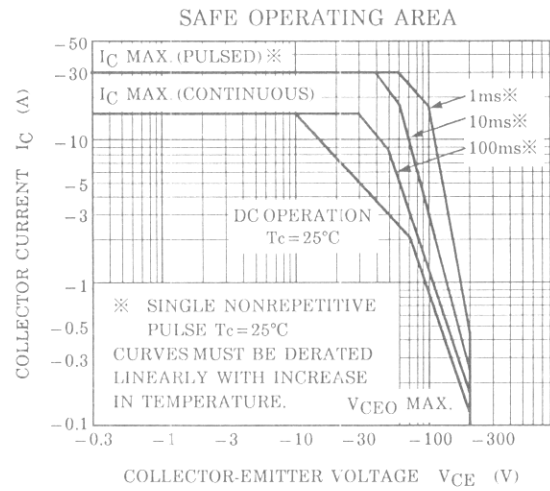
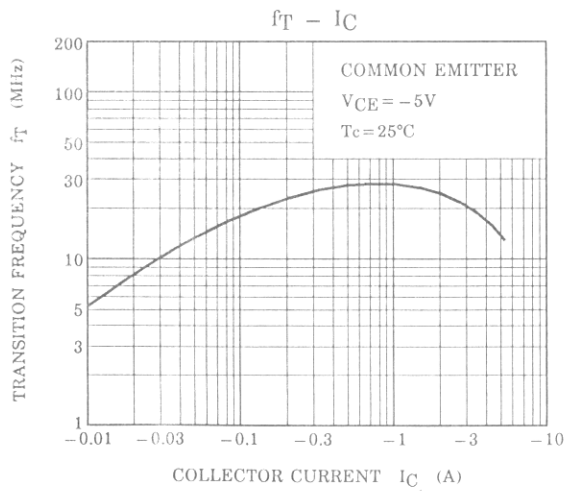
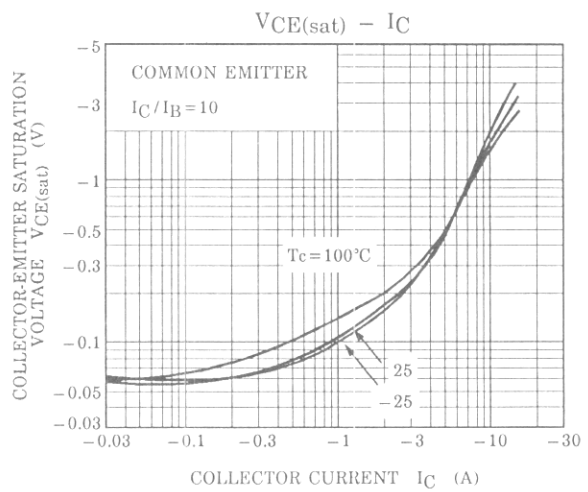
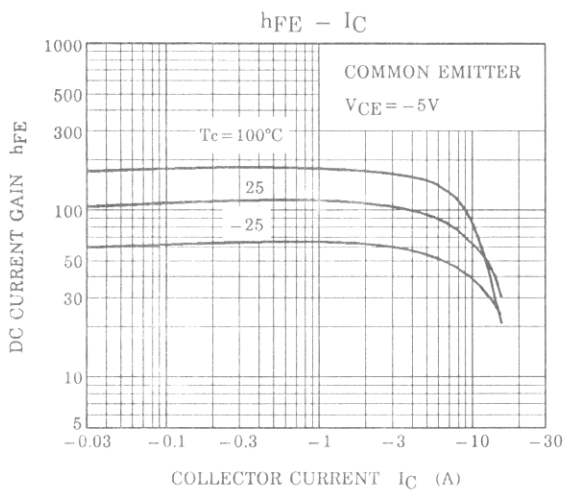
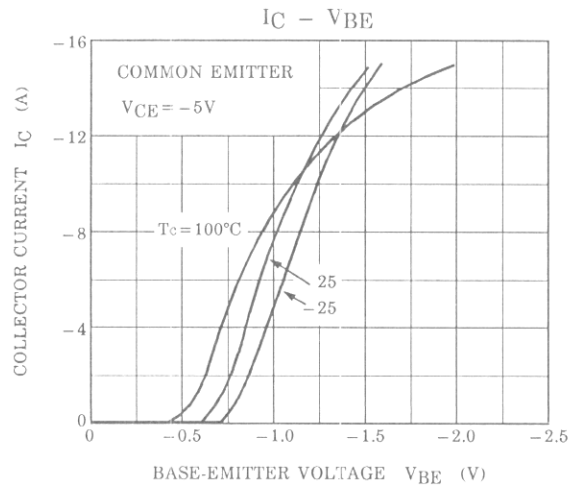
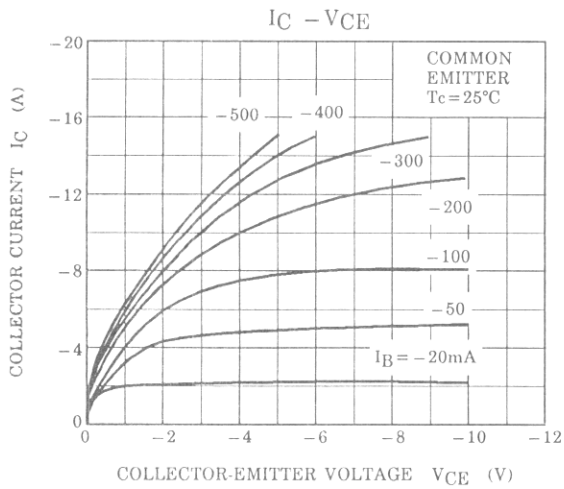
Note : h_{FE(1)} Classification R : 55~110, O : 80~160

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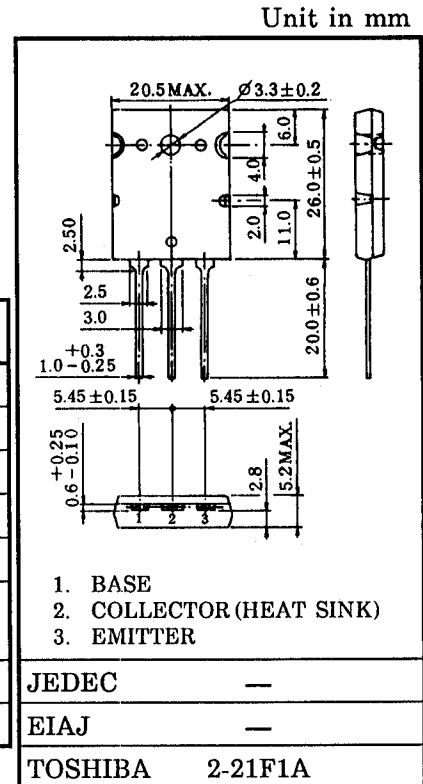
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ELECTRICAL CHARACTERISTICS (Ta = 25°C)

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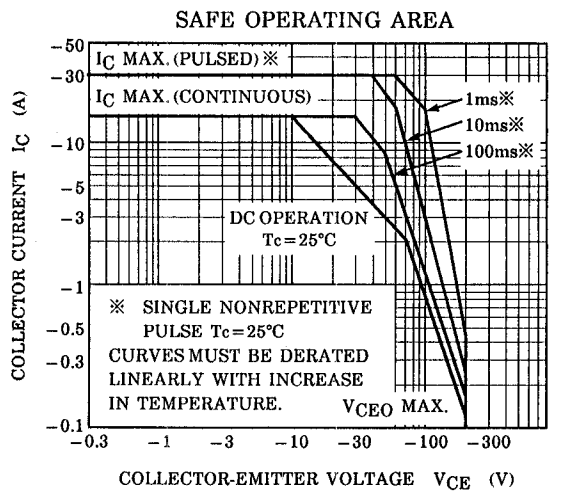
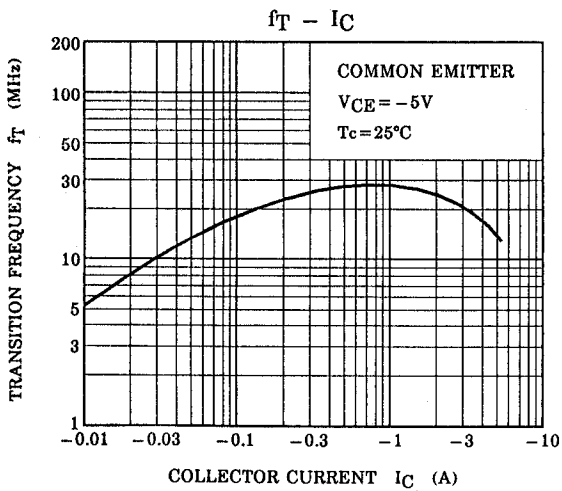
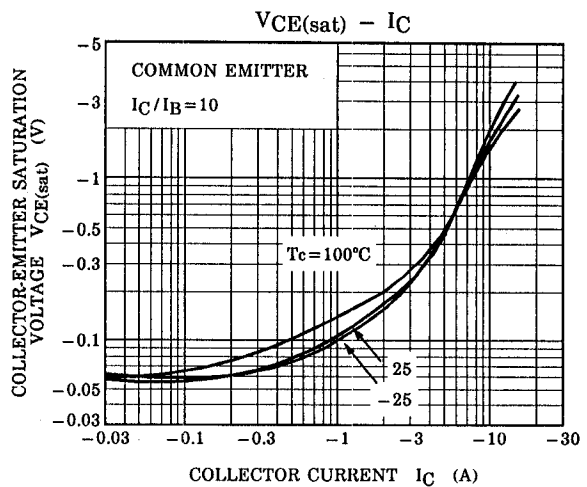
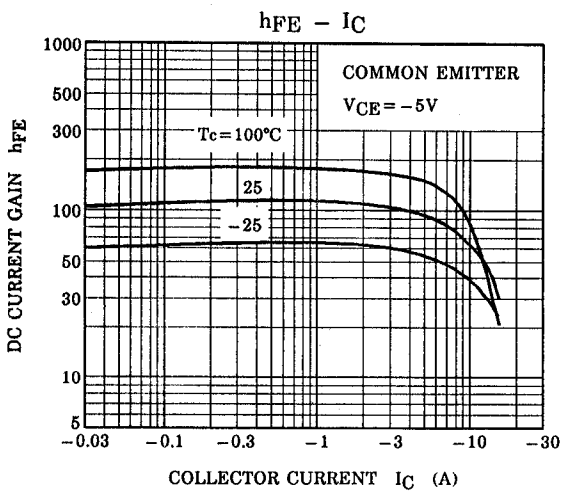
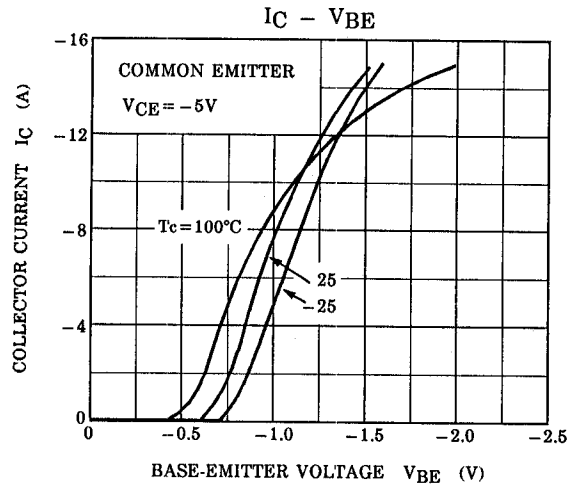
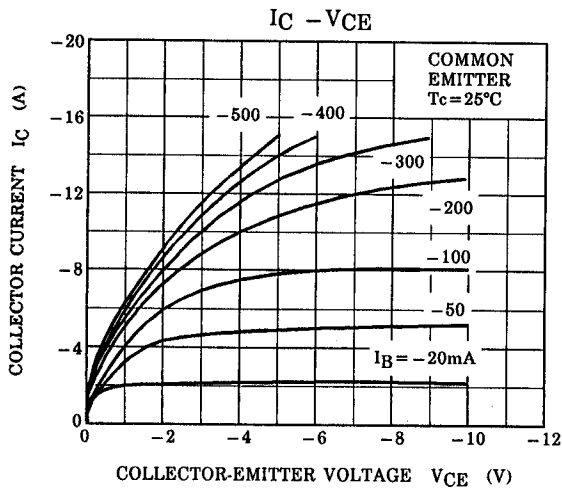
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