

TOSHIBA TRANSISTOR SILICON PNP EPITAXIAL TYPE (PCT PROCESS)

2SA1408

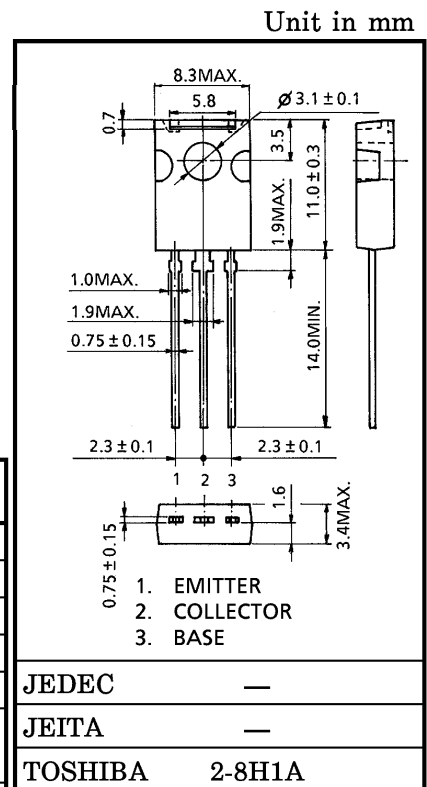
COLOR TV VERT. DEFLECTION OUTPUT APPLICATIONS

COLOR TV CLASS B SOUND OUTPUT APPLICATIONS

- Large Collector Current and Collector Power Dissipation Capability.
- Recommended for Vert. Deflection Output and Sound Output Applications for Line Operated TV.
- Complementary to 2SC3621.

MAXIMUM RATINGS (Tc = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CB0}	-150	V
Collector-Emitter Voltage	V _{CE0}	-150	V
Emitter-Base Voltage	V _{EB0}	-6	V
Collector Current	I _C	-1.5	A
Base Current	I _B	-1.0	A
Collector Power Dissipation	P _C	1.5	W
		10	
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	-55~150	°C

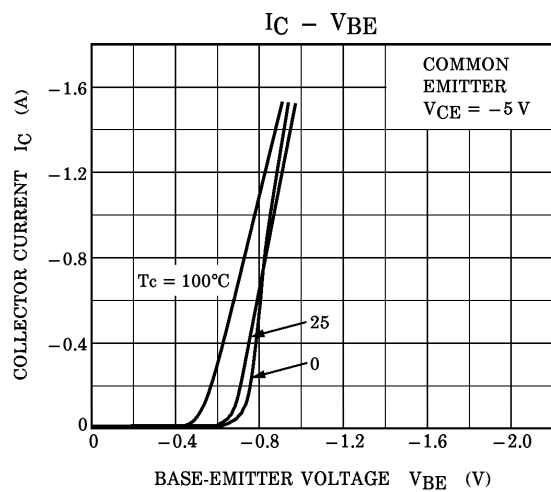
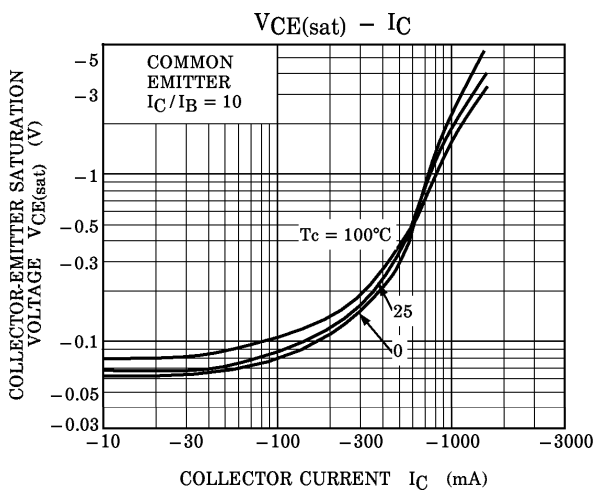
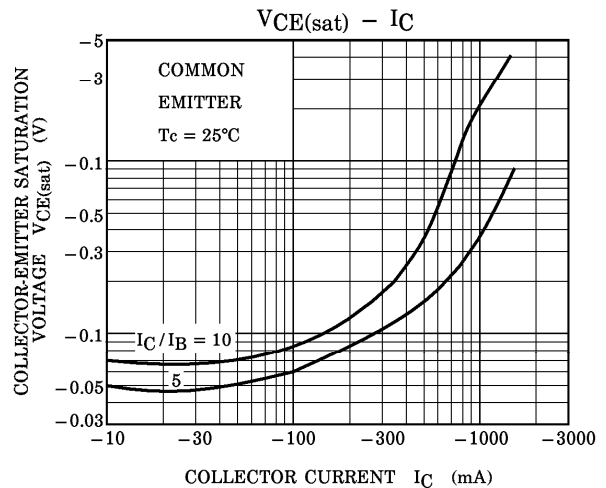
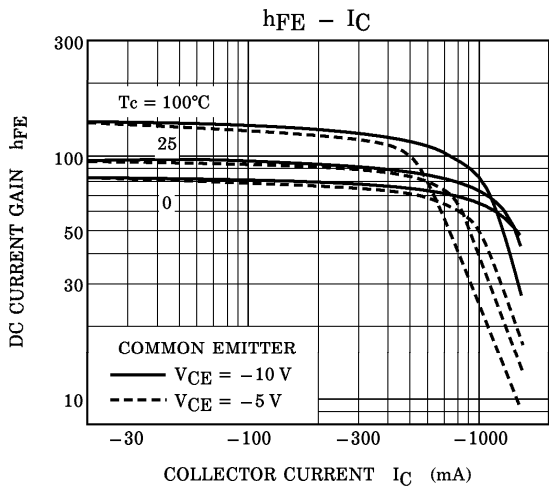
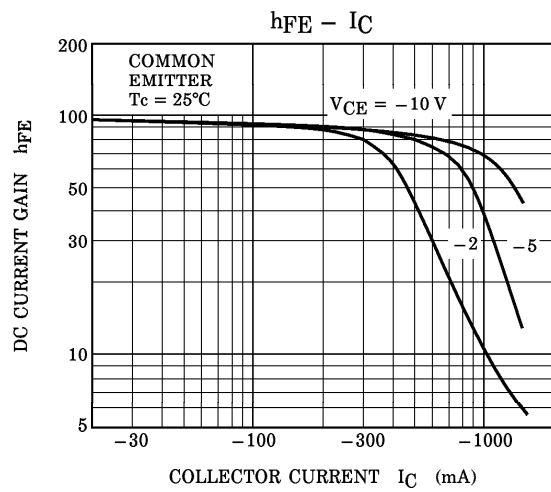
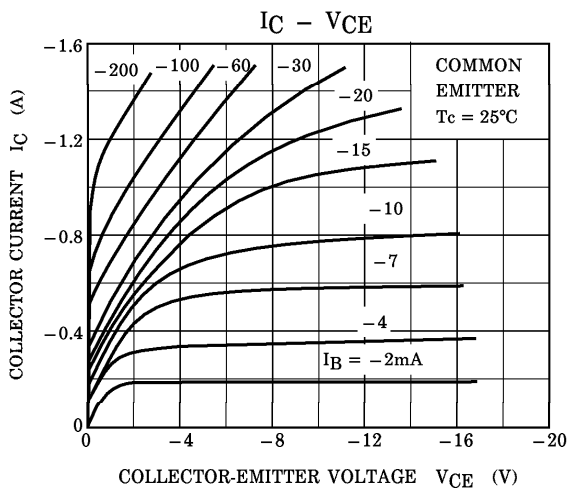


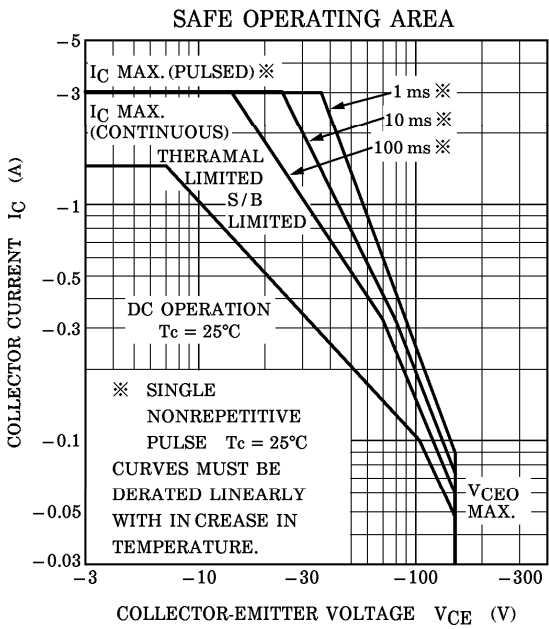
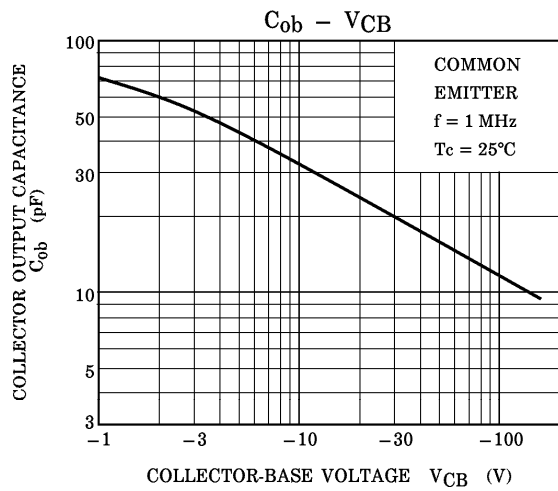
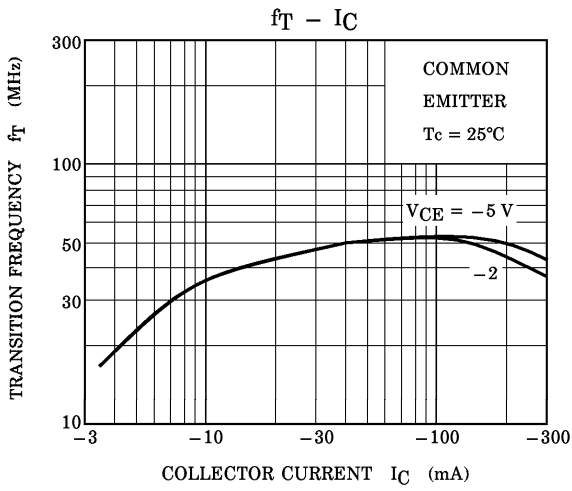
Weight : 0.82 g (Typ.)

ELECTRICAL CHARACTERISTICS (Tc = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{CB0}	V _{CB} = -150 V, I _E = 0	—	—	-1.0	μA
Emitter Cut-off Current	I _{EB0}	V _{EB} = -6 V, I _C = 0	—	—	-1.0	μA
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	I _C = -10 mA, I _B = 0	-150	—	—	V
DC Current Gain	h _{FE} (Note)	V _{CE} = -5 V, I _C = -200 mA	60	—	200	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C = -500 mA, I _B = -50 mA	—	—	-1.5	V
Base-Emitter Voltage	V _{BE}	V _{CE} = -5 V, I _C = -5 mA	-0.5	—	-0.8	V
Transition Frequency	f _T	V _{CE} = -5 V, I _C = -200 mA	15	50	—	MHz
Collector Output Capacitance	C _{ob}	V _{CB} = -10 V, I _E = 0, f = 1 MHz	—	—	35	pF

(Note) : h_{FE} Classification R : 60~120 O : 100~200





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