

TOSHIBA TRANSISTOR SILICON NPN EPITAXIAL TYPE (PCT PROCESS)

2SC3621

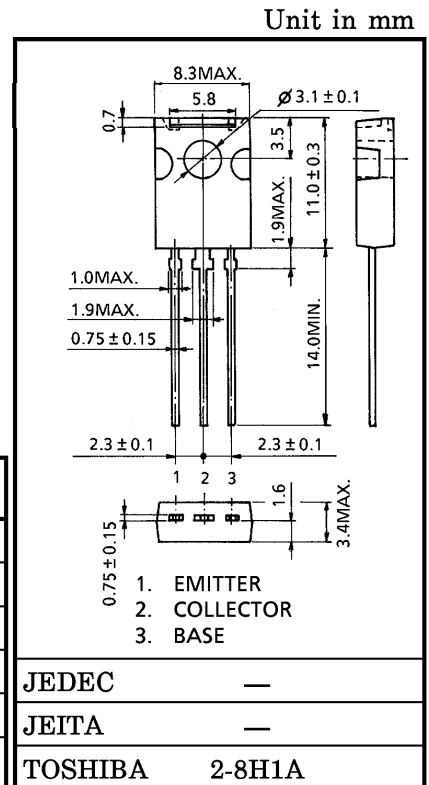
COLOR TV VERT. DEFLECTION OUTPUT APPLICATIONS

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 2SA1408.

MAXIMUM RATINGS (Tc = 25°C)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage		V _{CB0}	150	V
Collector-Emitter Voltage		V _{CEO}	150	V
Emitter-Base Voltage		V _{EBO}	6	V
Collector Current		I _C	1.5	A
Base Current		I _B	1.0	A
Collector Power Dissipation	T _a = 25°C	P _C	1.5	W
	T _c = 25°C		10	
Junction Temperature		T _j	150	°C
Storage Temperature Range		T _{stg}	-55~150	°C

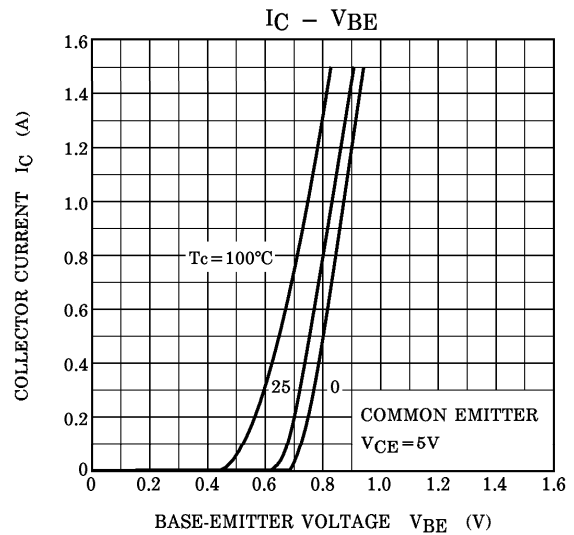
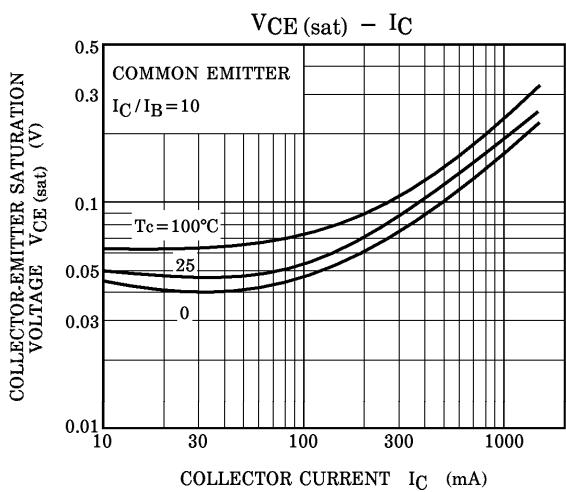
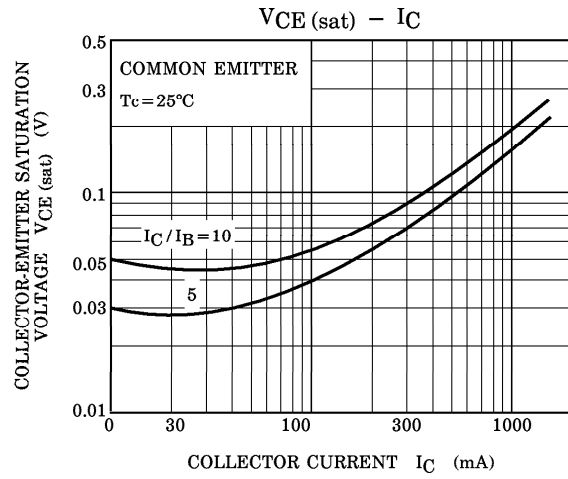
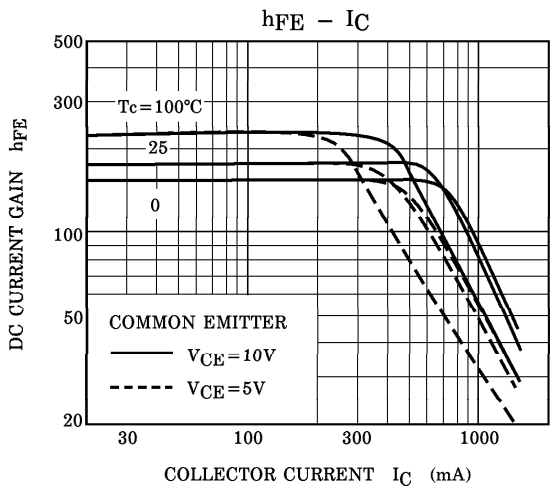
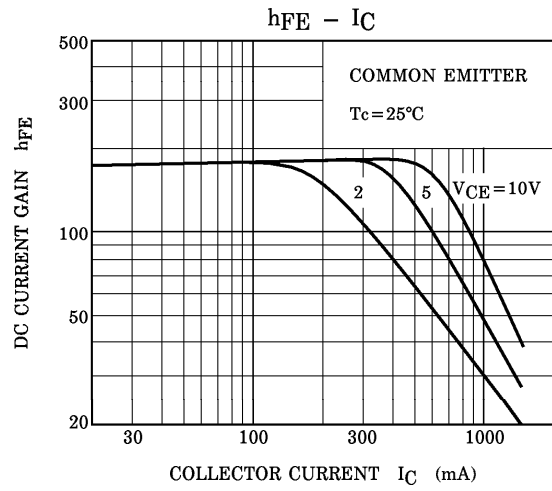
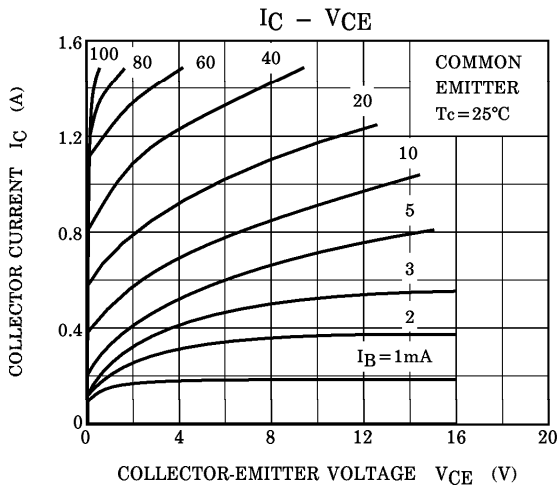


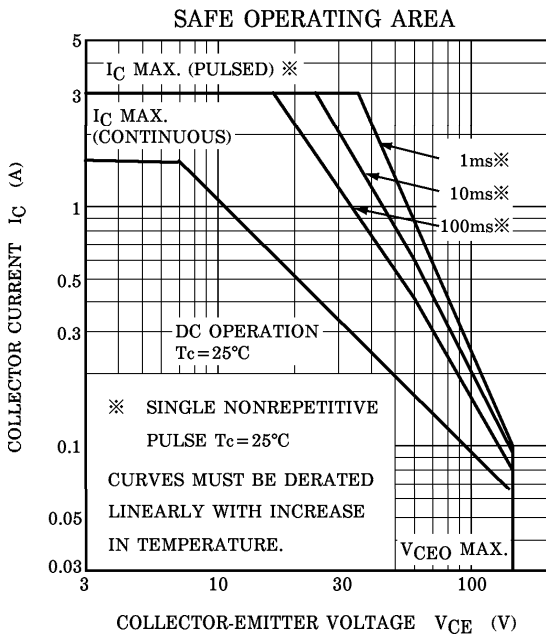
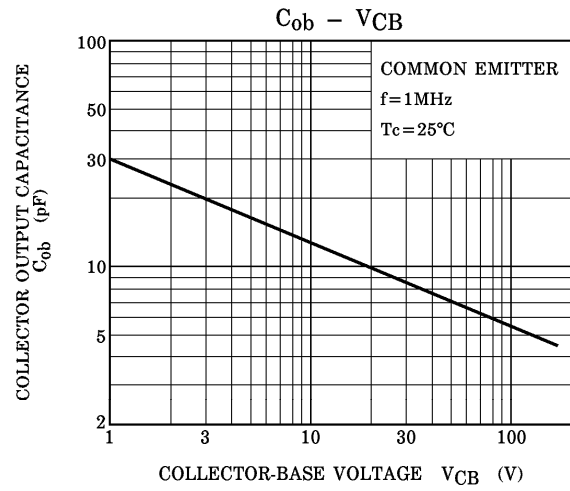
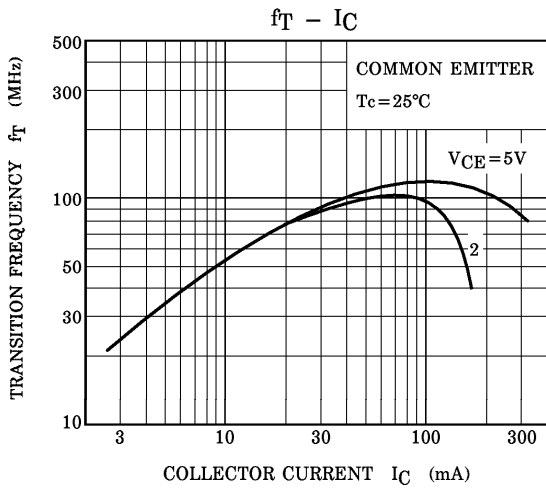
Weight : 0.82g (Typ.)

ELECTRICAL CHARACTERISTICS (Tc = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{CBO}	V _{CB} = 150V, I _E = 0	—	—	1.0	μA
Emitter Cut-off Current	I _{EBO}	V _{EB} = 6V, I _C = 0	—	—	1.0	μA
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	I _C = 10mA, I _B = 0	150	—	—	V
DC Current Gain	h _{FE} (Note)	V _{CE} = 5V, I _C = 200mA	60	—	200	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C = 500mA, I _B = 50mA	—	—	1.5	V
Base-Emitter Voltage	V _{BE}	V _{CE} = 5V, I _C = 5mA	0.5	—	0.8	V
Transition Frequency	f _T	V _{CE} = 5V, I _C = 200mA	20	100	—	MHz
Collector Output Capacitance	C _{ob}	V _{CB} = 10V, I _E = 0, f = 1MHz	—	13	20	pF

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





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