

TOSHIBA TRANSISTOR SILICON NPN EPITAXIAL TYPE (PCT PROCESS)

2SC3621

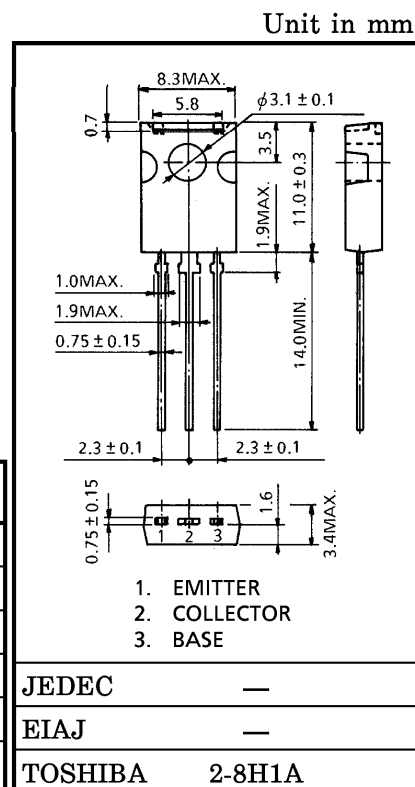
COLOR TV VERT. DEFLECTION OUTPUT APPLICATIONS.

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 ($T_a = 25^\circ\text{C}$)

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	$T_a = 25^\circ\text{C}$	P_C	1.5	W
	$T_c = 25^\circ\text{C}$		10	
Junction Temperature		T_j	150	$^\circ\text{C}$
Storage Temperature Range		T_{stg}	$-55 \sim 150$	$^\circ\text{C}$

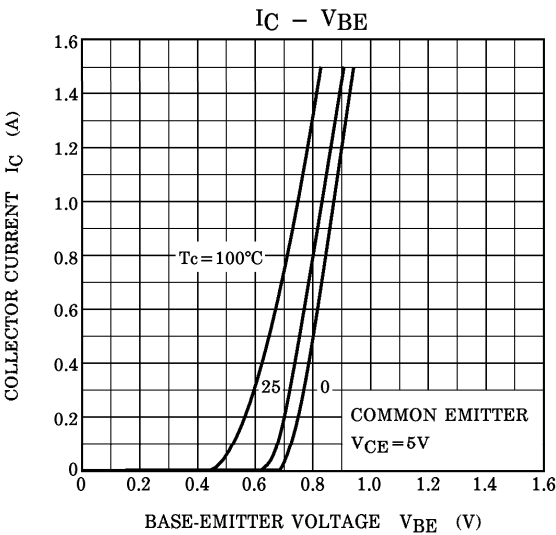
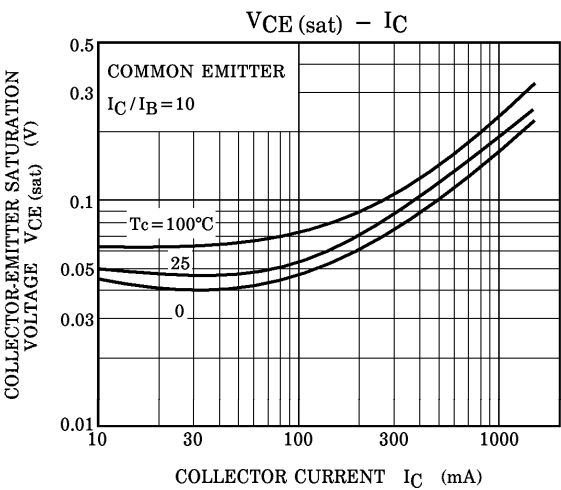
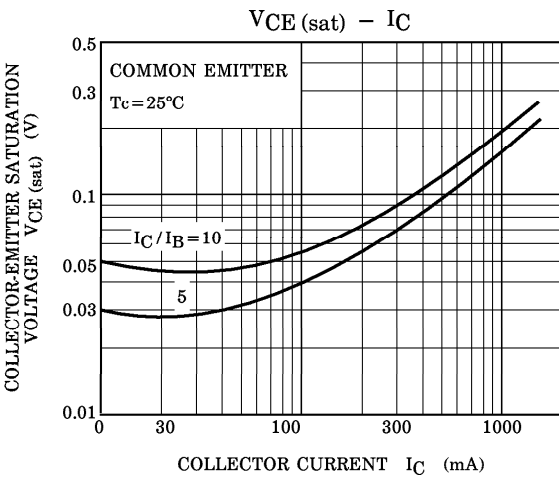
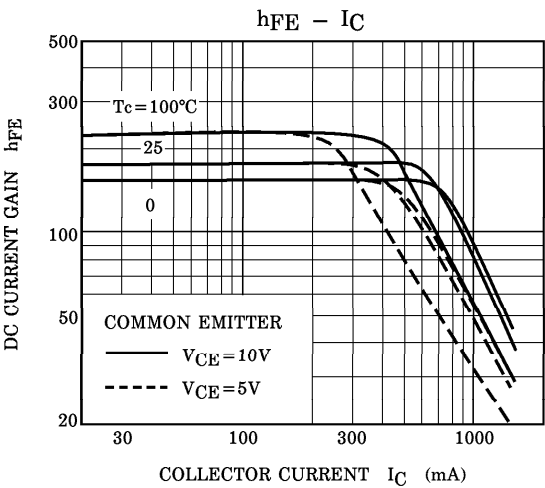
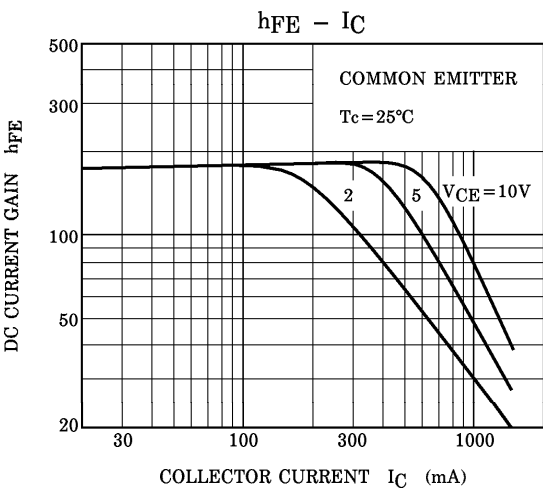
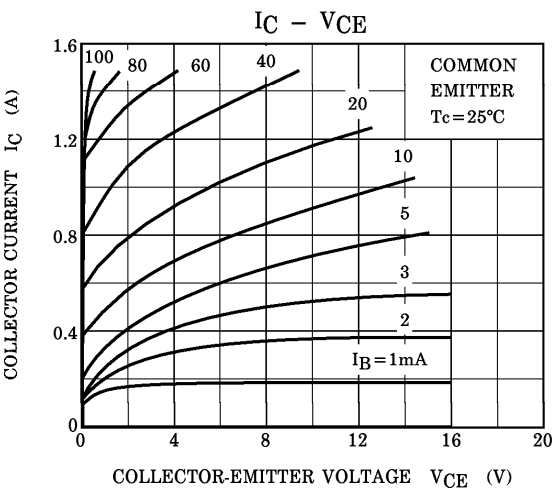


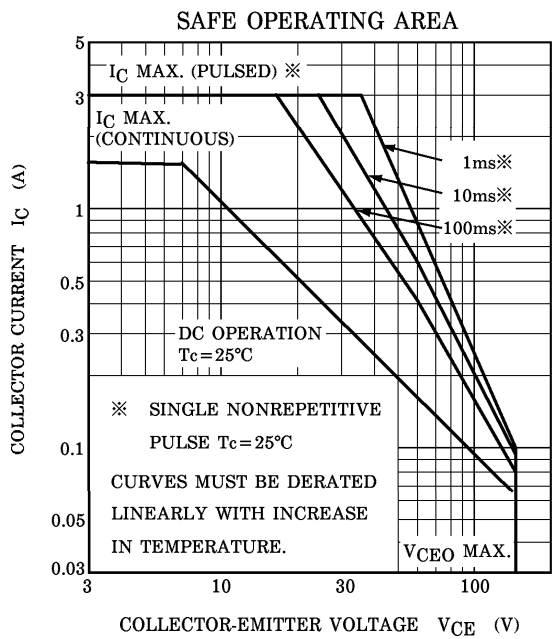
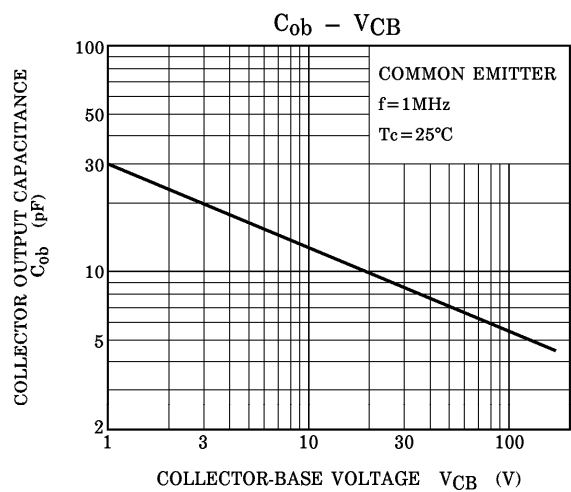
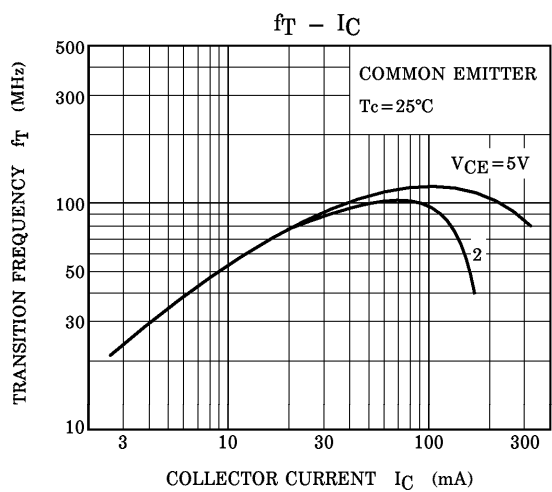
Weight : 0.82g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB} = 150\text{V}, I_E = 0$	—	—	1.0	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB} = 6\text{V}, I_C = 0$	—	—	1.0	μA
Collector-Emitter Breakdown Voltage	$V_{(BR)CE0}$	$I_C = 10\text{mA}, I_B = 0$	150	—	—	V
DC Current Gain	h_{FE} (Note)	$V_{CE} = 5\text{V}, I_C = 200\text{mA}$	60	—	200	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = 500\text{mA}, I_B = 50\text{mA}$	—	—	1.5	V
Base-Emitter Voltage	V_{BE}	$V_{CE} = 5\text{V}, I_C = 5\text{mA}$	0.5	—	0.8	V
Transition Frequency	f_T	$V_{CE} = 5\text{V}, I_C = 200\text{mA}$	20	100	—	MHz
Collector Output Capacitance	C_{ob}	$V_{CB} = 10\text{V}, I_E = 0, f = 1\text{MHz}$	—	13	20	pF

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





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