

TOSHIBA TRANSISTOR SILICON NPN EPITAXIAL TYPE (PCT PROCESS)

# 2SC3621

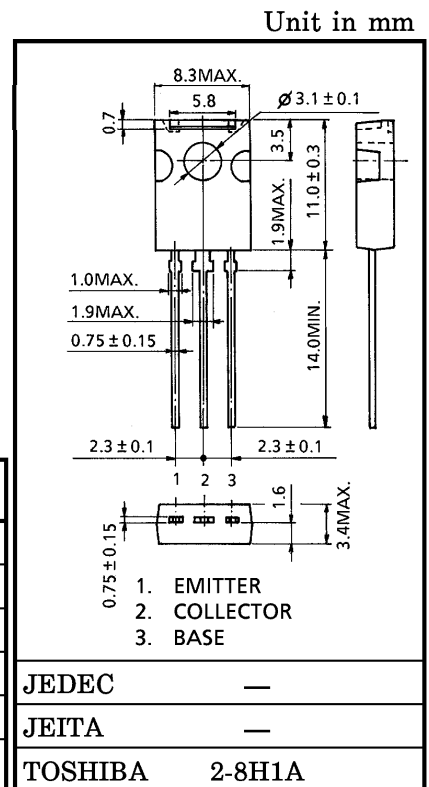
COLOR TV VERT. DEFLECTION OUTPUT APPLICATIONS

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 <sub>CB0</sub>	150	V
Collector-Emitter Voltage		V <sub>CEO</sub>	150	V
Emitter-Base Voltage		V <sub>EBO</sub>	6	V
Collector Current		I <sub>C</sub>	1.5	A
Base Current		I <sub>B</sub>	1.0	A
Collector Power Dissipation	T <sub>a</sub> = 25°C	P <sub>C</sub>	1.5	W
	T <sub>c</sub> = 25°C		10	
Junction Temperature		T <sub>j</sub>	150	°C
Storage Temperature Range		T <sub>stg</sub>	-55~150	°C

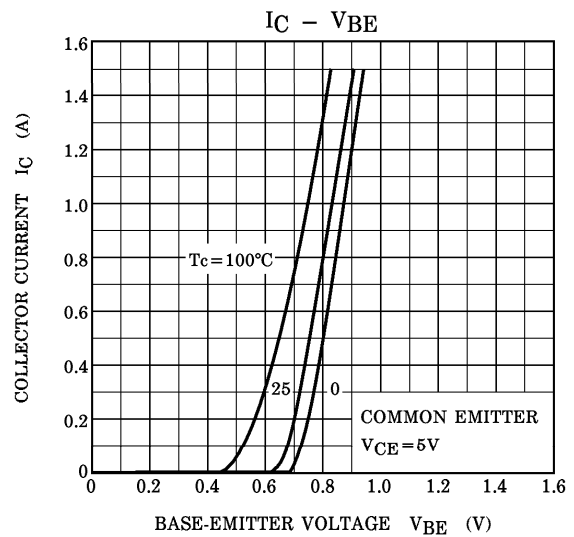
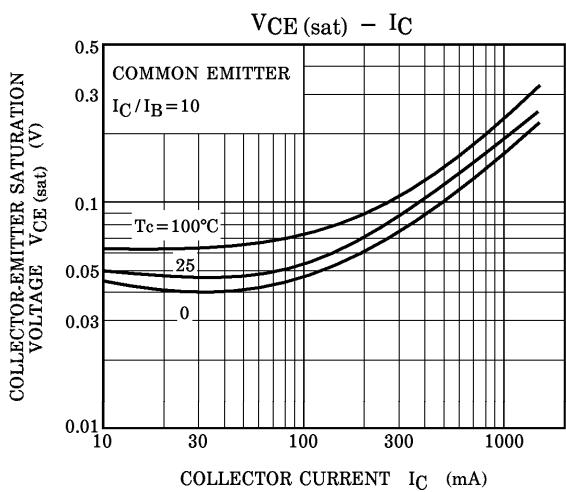
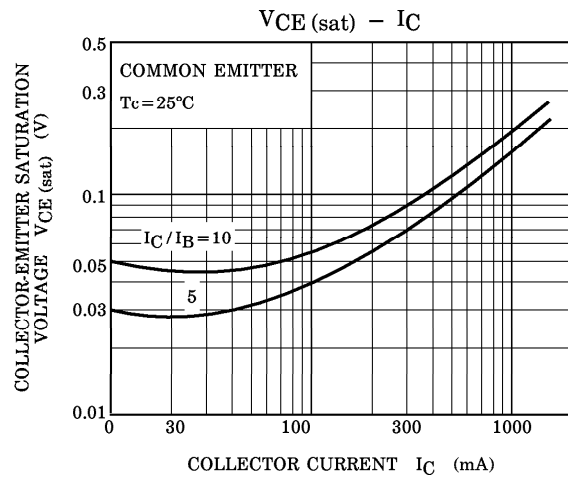
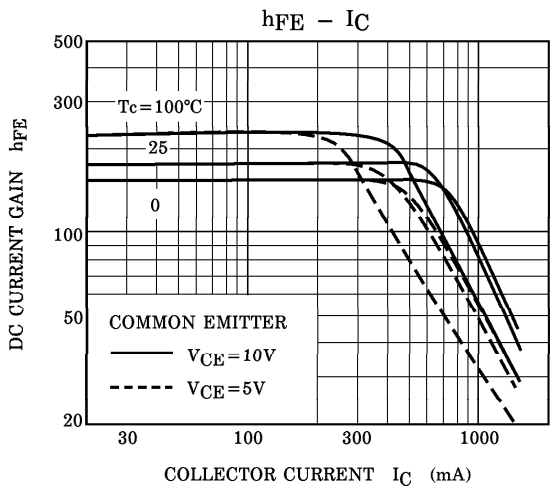
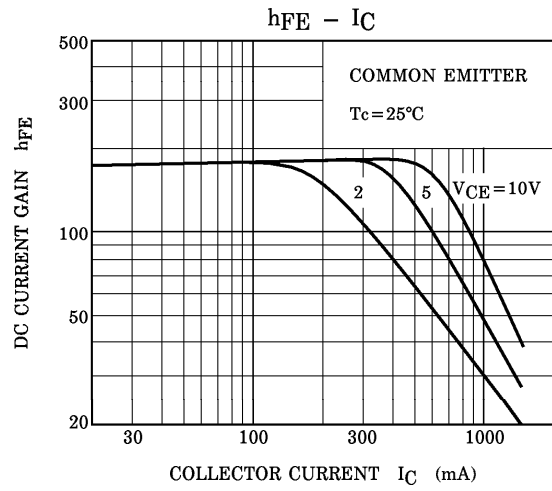
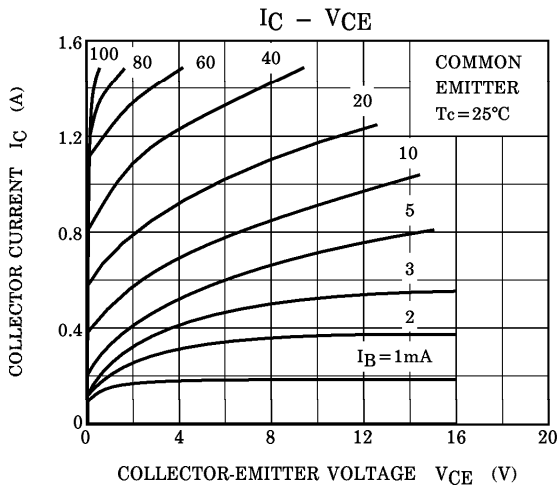


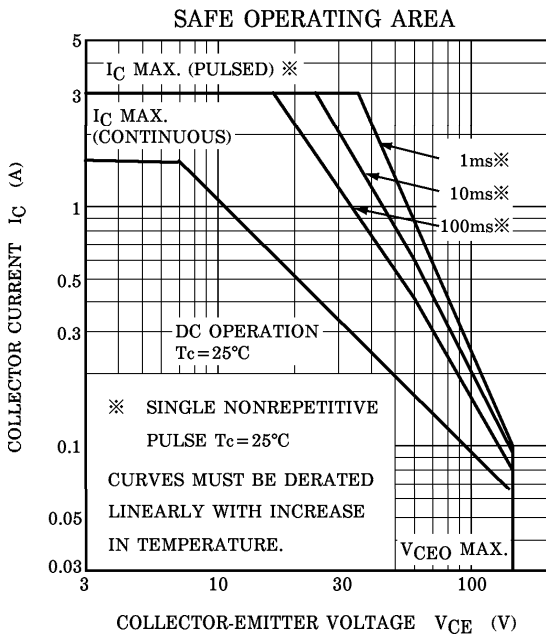
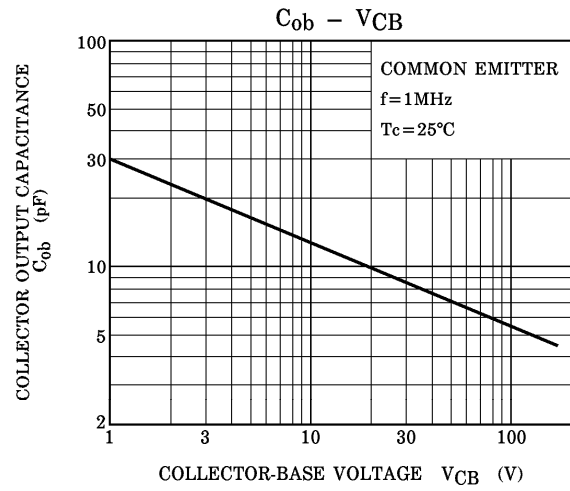
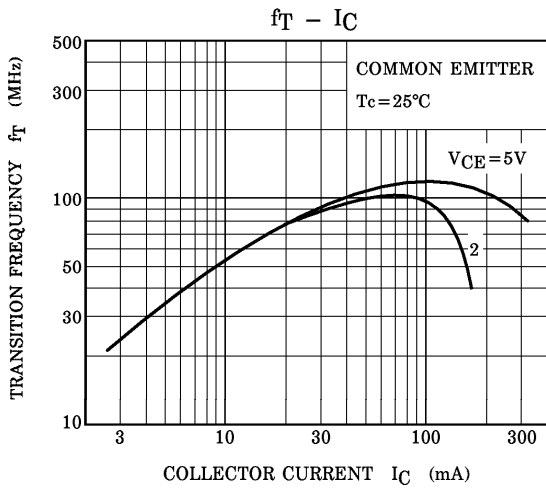
Weight : 0.82g (Typ.)

ELECTRICAL CHARACTERISTICS (Tc = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I <sub>CB0</sub>	V <sub>CB</sub> = 150V, I <sub>E</sub> = 0	—	—	1.0	μA
Emitter Cut-off Current	I <sub>EBO</sub>	V <sub>EB</sub> = 6V, I <sub>C</sub> = 0	—	—	1.0	μA
Collector-Emitter Breakdown Voltage	V <sub>(BR)CEO</sub>	I <sub>C</sub> = 10mA, I <sub>B</sub> = 0	150	—	—	V
DC Current Gain	h <sub>FE</sub> (Note)	V <sub>CE</sub> = 5V, I <sub>C</sub> = 200mA	60	—	200	
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> = 500mA, I <sub>B</sub> = 50mA	—	—	1.5	V
Base-Emitter Voltage	V <sub>BE</sub>	V <sub>CE</sub> = 5V, I <sub>C</sub> = 5mA	0.5	—	0.8	V
Transition Frequency	f <sub>T</sub>	V <sub>CE</sub> = 5V, I <sub>C</sub> = 200mA	20	100	—	MHz
Collector Output Capacitance	C <sub>ob</sub>	V <sub>CB</sub> = 10V, I <sub>E</sub> = 0, f = 1MHz	—	13	20	pF

(Note) : h<sub>FE</sub> Classification R : 60~120, O : 100~200





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