

TOSHIBA

2SA1408

TOSHIBA TRANSISTOR SILICON PNP EPITAXIAL TYPE (PCT PROCESS)

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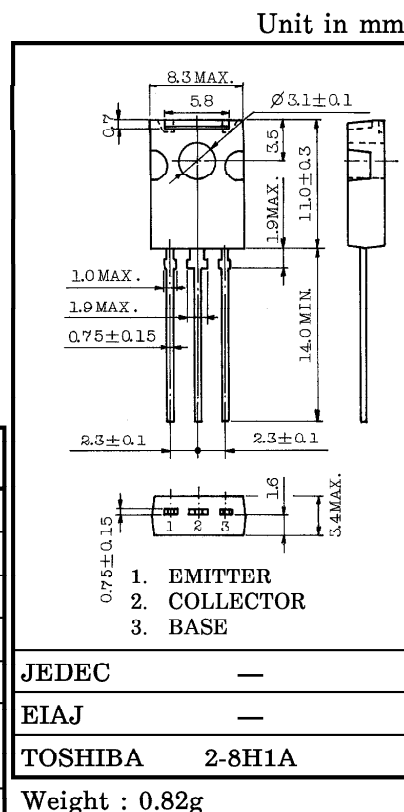
COLOR TV VERT. DEFLECTION OUTPUT APPLICATIONS.

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 (Ta = 25°C)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage		V _{CBO}	−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	−0.3	A
Collector Power Dissipation	Ta = 25°C	P _C	1.5	W
	Tc = 25°C		10	
Junction Temperature		T _j	150	°C
Storage Temperature Range		T _{stg}	−55~150	°C



ELECTRICAL CHARACTERISTICS (Ta = 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	15	50	—	MHz
Collector Output Capacitance	C _{ob}	V _{CB} = −10V, I _E = 0, f = 1MHz	—	—	35	pF

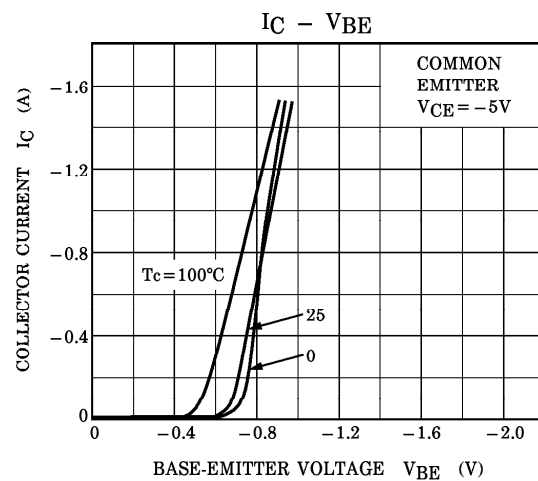
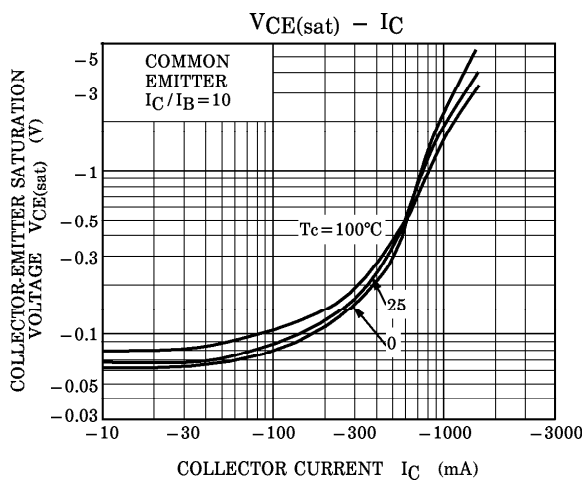
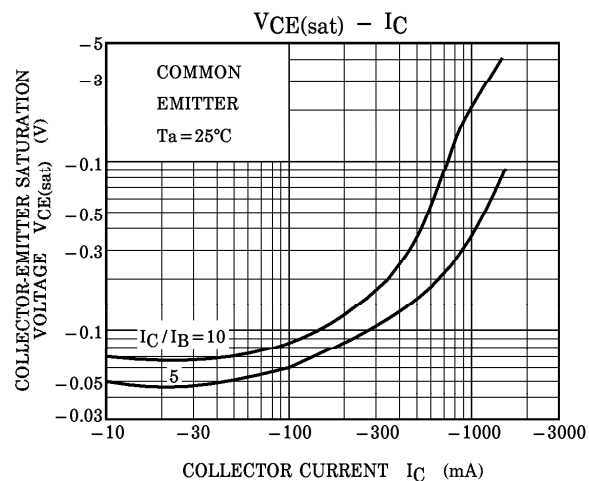
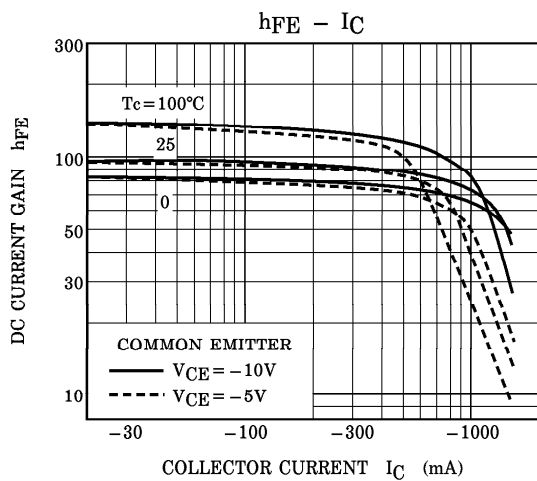
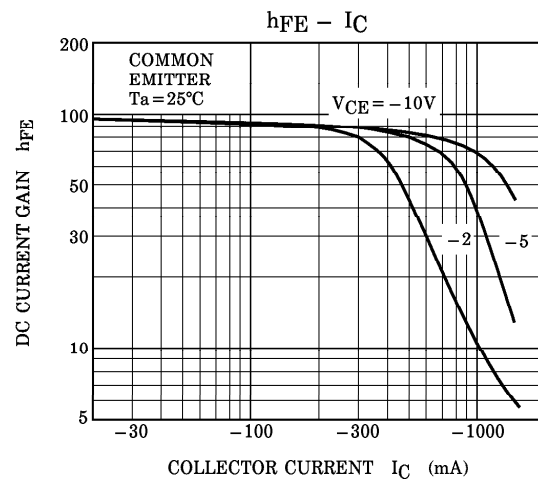
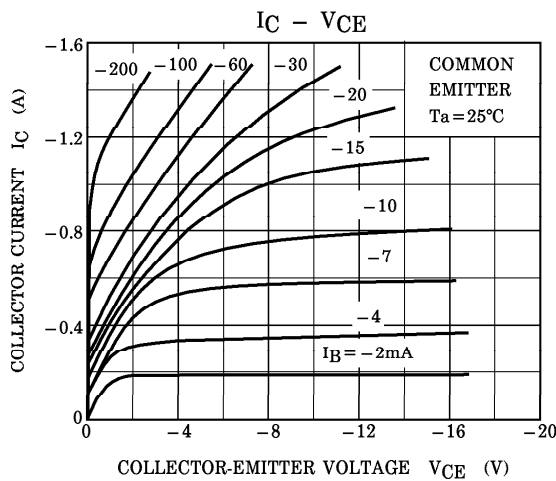
Note : h_{FE} Classification R : 60~120 O : 100~200

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