

TOSHIBA TRANSISTOR SILICON NPN EPITAXIAL TYPE (PCT PROCESS)

2SC3621

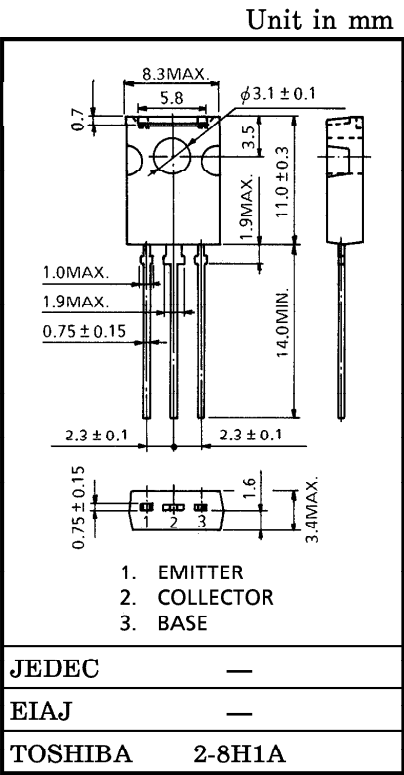
COLOR TV VERT. DEFLECTION OUTPUT APPLICATIONS.

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 (Ta = 25°C)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage		VCBO	150	V
Collector-Emitter Voltage		VCEO	150	V
Emitter-Base Voltage		VEBO	6	V
Collector Current		IC	1.5	A
Base Current		IB	1.0	A
Collector Power Dissipation	Ta = 25°C	PC	1.5	W
	Tc = 25°C		10	
Junction Temperature		Tj	150	°C
Storage Temperature Range		Tstg	-55~150	°C



Weight : 0.82g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	ICBO	V _{CB} = 150V, I _E = 0	—	—	1.0	μA
Emitter Cut-off Current	IEBO	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	hFE (Note)	V _{CE} = 5V, I _C = 200mA	60	—	200	
Collector-Emitter Saturation Voltage	VCE (sat)	I _C = 500mA, I _B = 50mA	—	—	1.5	V
Base-Emitter Voltage	VBE	V _{CE} = 5V, I _C = 5mA	0.5	—	0.8	V
Transition Frequency	fT	V _{CE} = 5V, I _C = 200mA	20	100	—	MHz
Collector Output Capacitance	Cob	V _{CB} = 10V, I _E = 0, f = 1MHz	—	13	20	pF

Note : hFE Classification R : 60~120, O : 100~200

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