

9097250 TOSHIBA (DISCRETE/OPTO)

56C 07538 DT-33-09

SILICON NPN EPITAXIAL TYPE (PCT PROCESS)

2SC2481

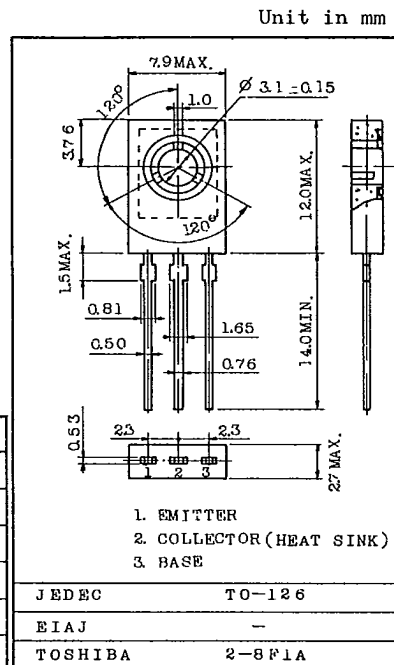
COLOR TV VERT. DEFLECTION OUTPUT APPLICATIONS.
COLOR TV CLASS B SOUND OUTPUT APPLICATIONS.

FEATURES:

- Large Collector Current and Collector Power Dissipation Capability.
- Recommended for Vert. Deflection Output & Sound Output Applications for Line Operated TV.
- Complementary to 2SA1021

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 1.2	W
	$T_c=25^\circ\text{C}$	20	
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55~150	$^\circ\text{C}$



Mounting Kit No. AC46C
Weight : 0.72g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CB0}	$V_{CB}=150\text{V}, I_E=0$	—	—	1.0	μA
Emitter Cut-off Current	I_{EB0}	$V_{EB}=6\text{V}, I_C=0$	—	—	1.0	μA
Collector-Emitter Breakdown Voltage	$V_{(BR)CE0}$	$I_C=10\text{mA}, I_B=0$	150	—	—	V
DC Current Gain	$h_{FE}(\text{Note})$	$V_{CE}=5\text{V}, I_C=200\text{mA}$	60	—	320	—
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

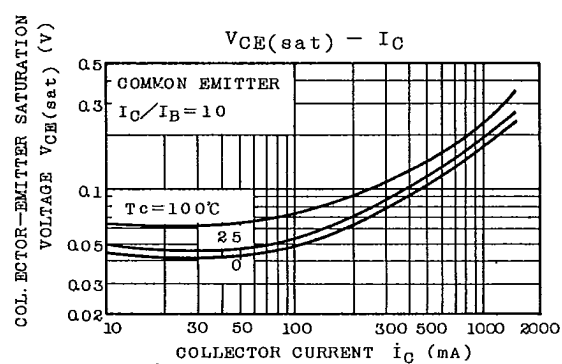
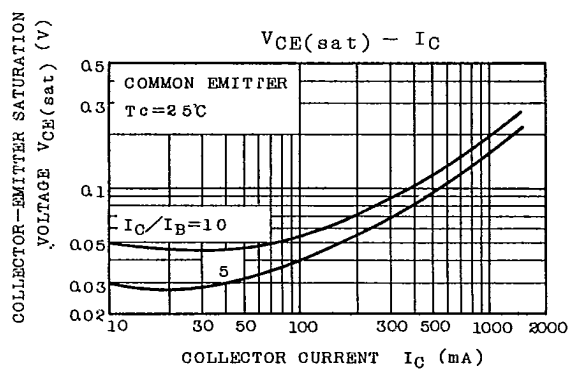
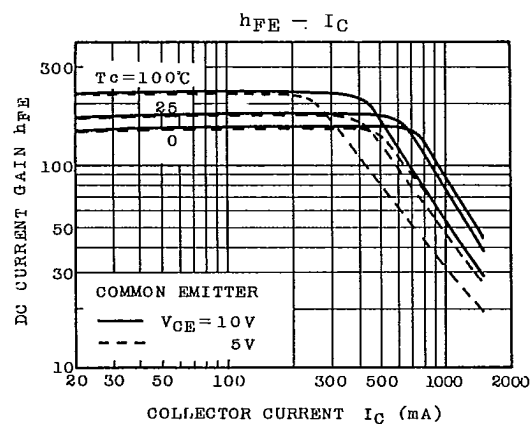
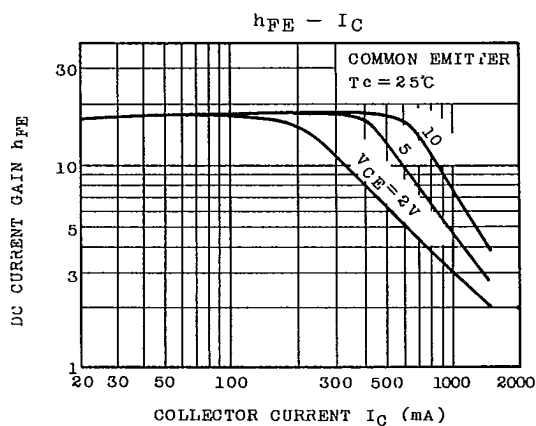
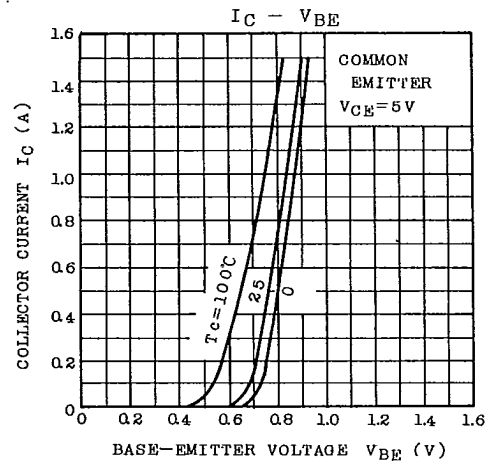
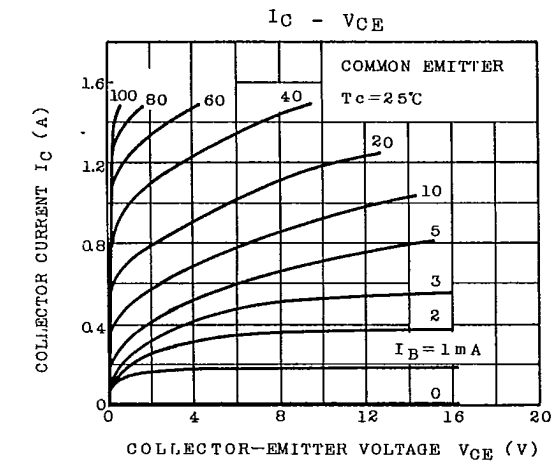
Note : h_{FE} Classification R:60~120 O:100~200 Y:160~320

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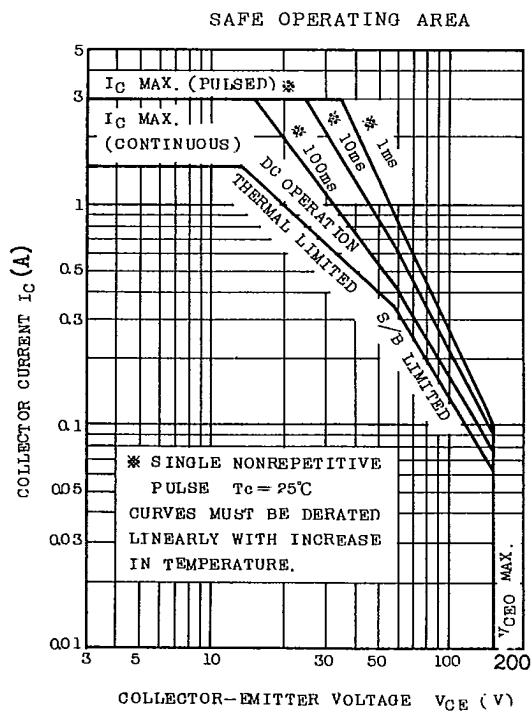
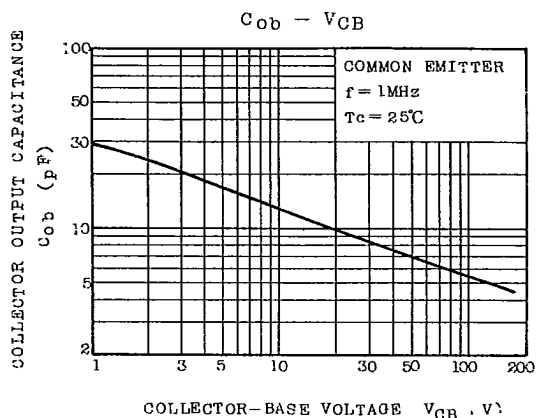
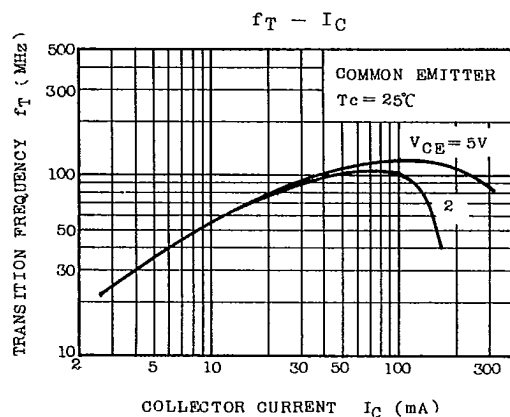
TOSHIBA CORPORATION

9097250 TOSHIBA (DISCRETE/OPTO)

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