

9097250 TOSHIBA (DISCRETE/OPTO)

56C 07466 D T-31-23

SILICON NPN TRIPLE DIFFUSED TYPE (PCT PROCESS)

2SC2068

Unit in mm

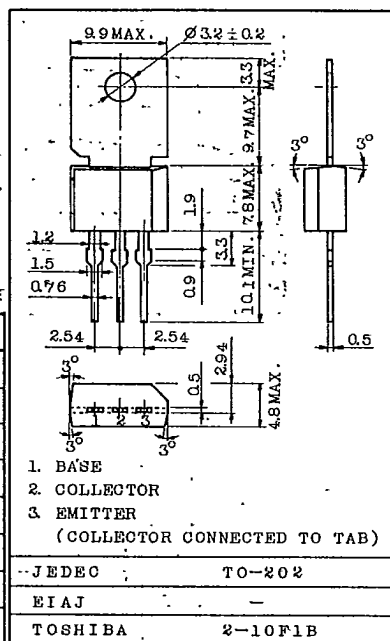
COLOR TV · CHROMA OUTPUT · APPLICATIONS.

FEATURES:

- . High Voltage : $V_{CE0}=300V$
 . Small Collector Output Capacitance : $C_{Ob}=4.0pF$ (Max.)

MAXIMUM RATINGS (T_a=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	300	V
Collector-Emitter Voltage	V_{CEO}	300	V
Emitter-Base Voltage	V_{EBO}	5	V
Collector Current	I_C	50	mA
Base Current	I_B	20	mA
Collector Power Dissipation	P_C	1.5	W
Junction Temperature	T_j	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	-55-150	$^{\circ}\text{C}$



Weight : 1.4g

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

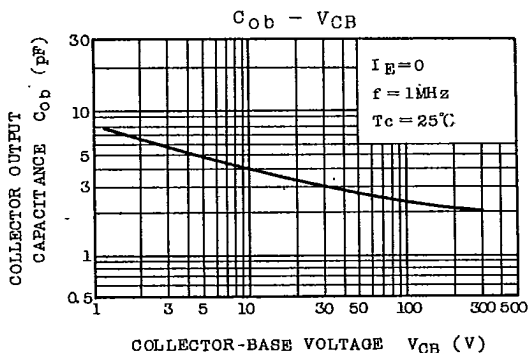
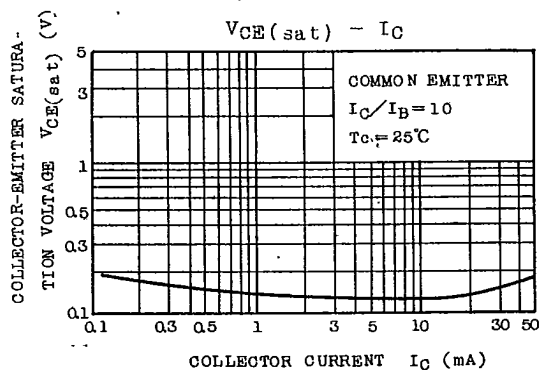
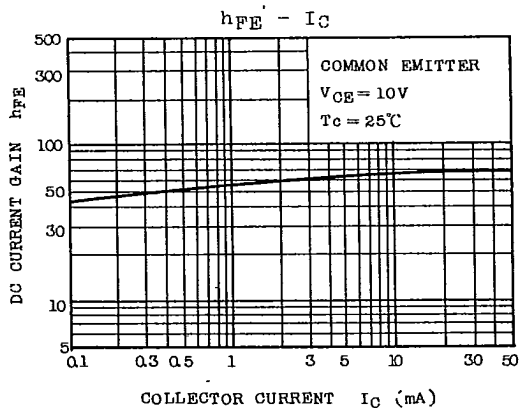
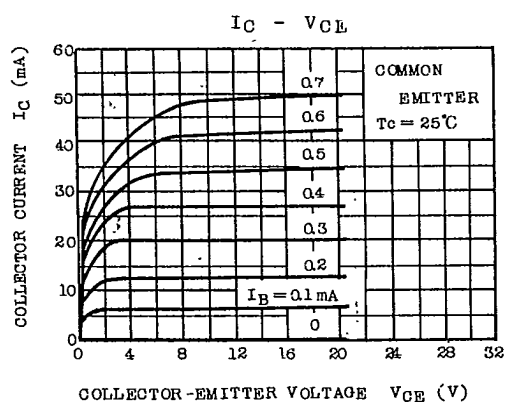
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	ICBO	V _{CB} =240V, I _E =0	—	—	1.0	μA
Emitter Cut-off Current	IEBO	V _{EB} =5V, I _C =0	—	—	1.0	μA
DC Current Gain	hFE(1)	V _{CE} =10V, I _C =0.5mA	20	—	—	
	hFE(2)	V _{CE} =10V, I _C =20mA	30	—	200	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C =10mA, I _B =1mA	—	—	1.0	V
Transition Frequency	f _T	V _{CE} =20V, I _C =20mA	75	95	—	MHz
Collector Output Capacitance	C _{ob}	V _{CB} =20V, I _E =0, f=1MHz	—	—	4.0	pF

|| TOSHIBA CORPORATION

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