

2SC2456

SILICON NPN TRIPLE DIFFUSED TYPE (PCT PROCESS)

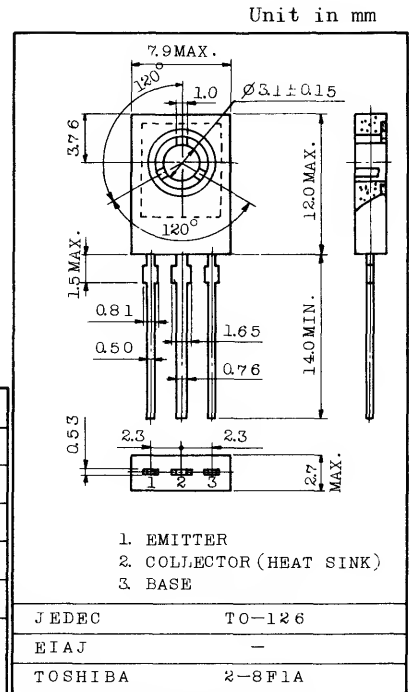
COLOR TV HORIZONTAL DRIVER APPLICATIONS.
 COLOR TV CHROMA OUTPUT APPLICATIONS.

FEATURES:

- . High Voltage : $V_{CE0}=300V$
- . Recommended for Chroma Output and Horizontal Driver Application for Line Operated TV.

MAXIMUM RATINGS ($T_a=25^{\circ}C$)

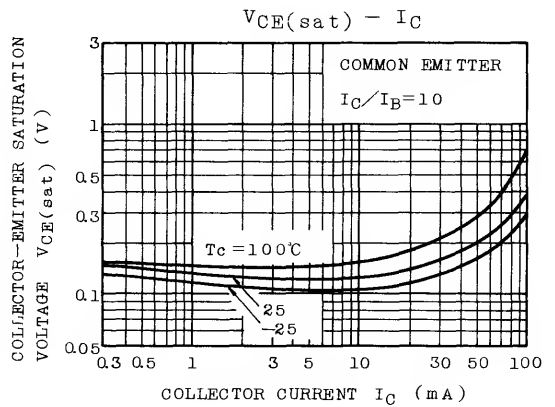
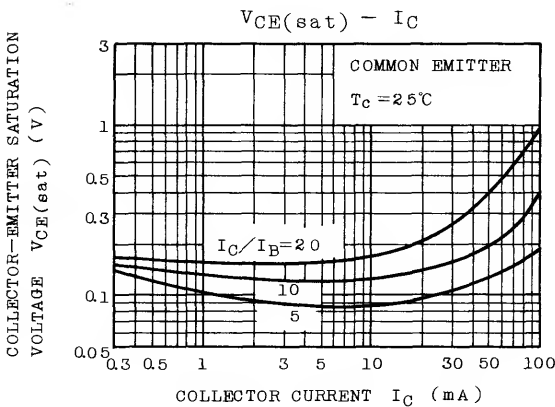
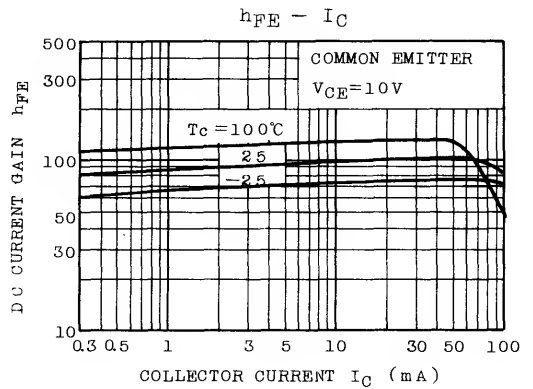
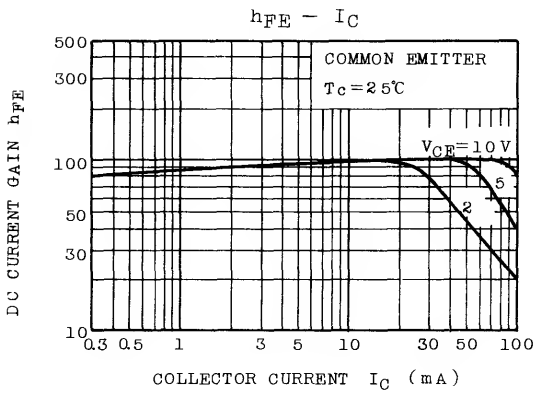
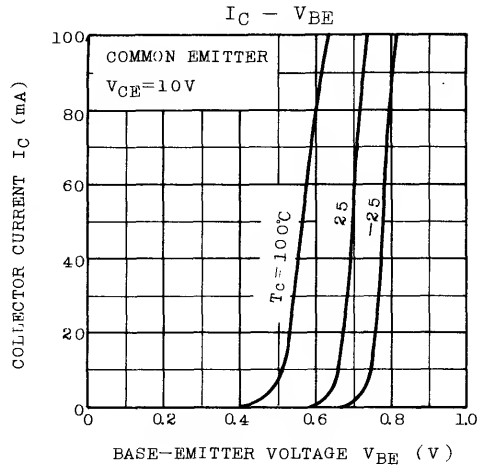
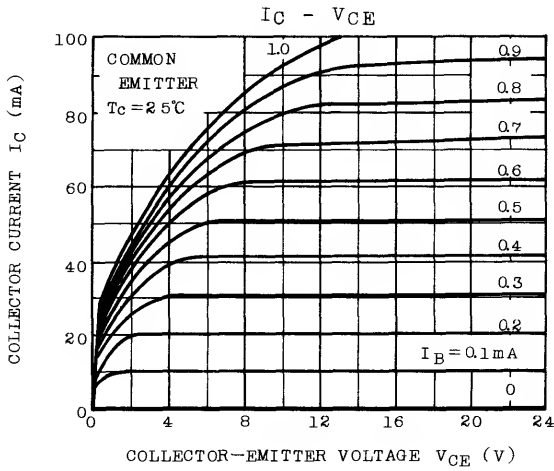
CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage		V_{CB0}	300	V
Collector-Emitter Voltage		V_{CE0}	300	V
Emitter-Base Voltage		V_{EB0}	7	V
Collector Current		I_C	100	mA
Base Current		I_B	50	mA
Collector Power Dissipation	$T_a=25^{\circ}C$	P_C	1.2	W
	$T_c=25^{\circ}C$		10	
Junction Temperature		T_j	150	$^{\circ}C$
Storage Temperature Range		T_{stg}	-55~150	$^{\circ}C$



Mounting Kit No. AC46C
 Weight : 0.72g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB}=240V, I_E=0$	-	-	1.0	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=7V, I_C=0$	-	-	1.0	μA
DC Current Gain	$h_{FE}(1)$	$V_{CE}=10V, I_C=50mA$	40	-	170	
	$h_{FE}(2)$	$V_{CE}=10V, I_C=100mA$	20	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=100mA, I_B=20mA$	-	-	1.0	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=100mA, I_B=20mA$	-	-	1.2	V
Transition Frequency	f_T	$V_{CE}=10V, I_C=30mA$	50	-	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=50V, I_E=0, f=1MHz$	-	-	5.0	pF



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