

9097250 TOSHIBA (DISCRETE/OPTO)

56C 07535

07-33-07

2SC2456

SILICON NPN TRIPLE DIFFUSED TYPE (PCT PROCESS)

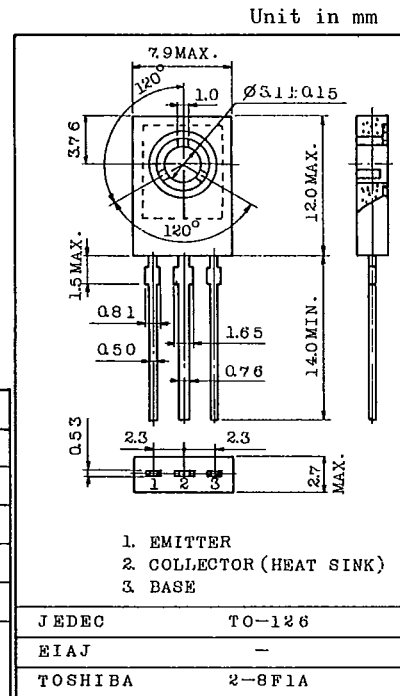
COLOR TV HORIZONTAL DRIVER APPLICATIONS.
 COLOR TV CHROMA OUTPUT APPLICATIONS.

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	P_C	$T_a=25^\circ C$	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

TOSHIBA CORPORATION

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