

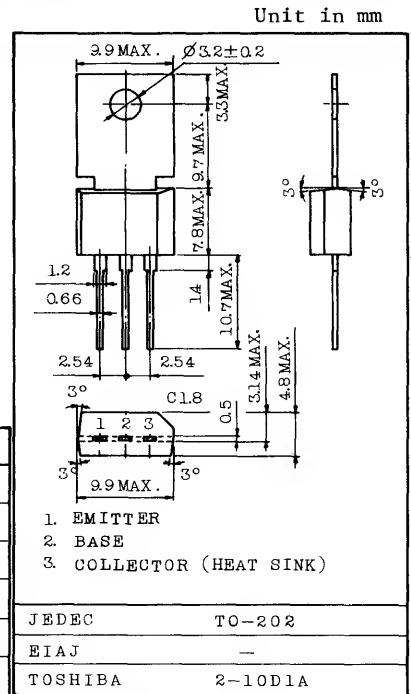
COLOR TV CHROMA OUTPUT APPLICATIONS.

FEATURES:

- . High Collector-Emitter Breakdown Voltage : $V_{CEO}=300V$
- . Low C_{cb} (2.5pF Typ.)

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	300	V
Collector-Emitter Voltage	V_{CEO}	300	V
Emitter-Base Voltage	V_{EBO}	7	V
Collector Current	I_C	100	mA
Base Current	I_B	50	mA
Collector Power Dissipation	P_C	$T_a=25^{\circ}C$	1.5
		$T_c=25^{\circ}C$	6.25
Junction Temperature	T_j	150	$^{\circ}C$
Storage Temperature Range	T_{stg}	-55 ~ 150	$^{\circ}C$



Weight : 1.4g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB}=300V, I_E=0$	-	-	10	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=7V, I_C=0$	-	-	10	μA
DC Current Gain	$h_{FE}(1)$	$V_{CE}=10V, I_C=4mA$	20	-	-	
	$h_{FE}(2)$	$V_{CE}=10V, I_C=20mA$	30	-	150	
Collector-Emitter Saturation Voltage	$V_{CE}(sat)$	$I_C=10mA, I_B=1mA$	-	-	1.0	V
Transition Frequency	f_T	$V_{CE}=10V, I_C=20mA$	50	70	-	MHz
Collector-Base Capacitance	C_{cb}	$V_{CB}=20V, I_E=0, f=1MHz$	-	2.5	3.0	pF

