

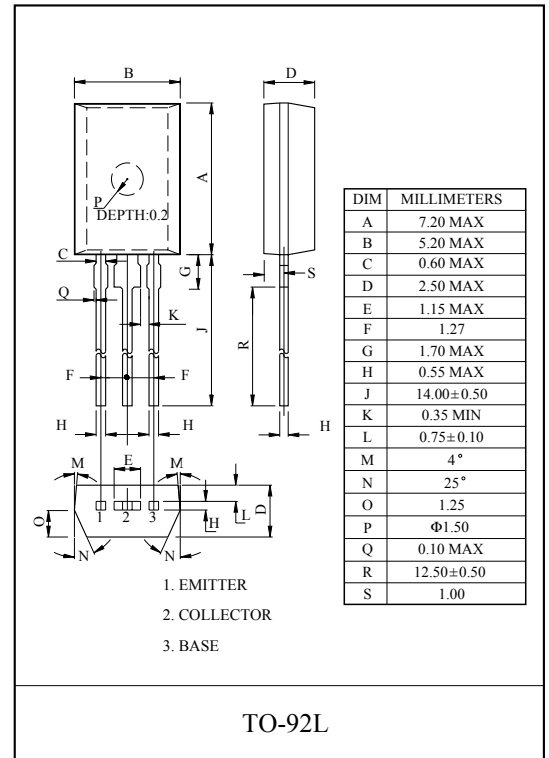
HIGH VOLTAGE APPLICATION.  
COLOR TV CLASS B SOUND OUTPUT APPLICATION.

#### FEATURES

- High Voltage :  $V_{CE0}=180V$ .
- High DC Current Gain.

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	$V_{CBO}$	200	V
Collector-Emitter Voltage	$V_{CEO}$	180	V
Emitter-Base Voltage	$V_{EBO}$	5	V
Collector Current	$I_C$	100	mA
Base Current	$I_B$	50	mA
Collector Power Dissipation	$P_C$	1	W
Junction Temperature	$T_j$	150	$^\circ C$
Storage Temperature Range	$T_{stg}$	-55 ~ 150	$^\circ C$

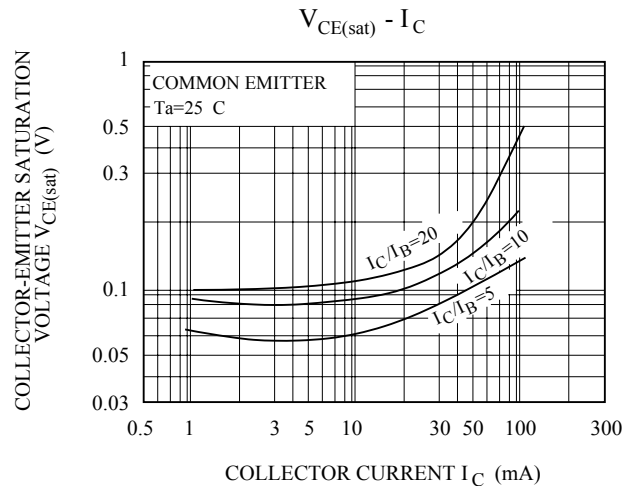
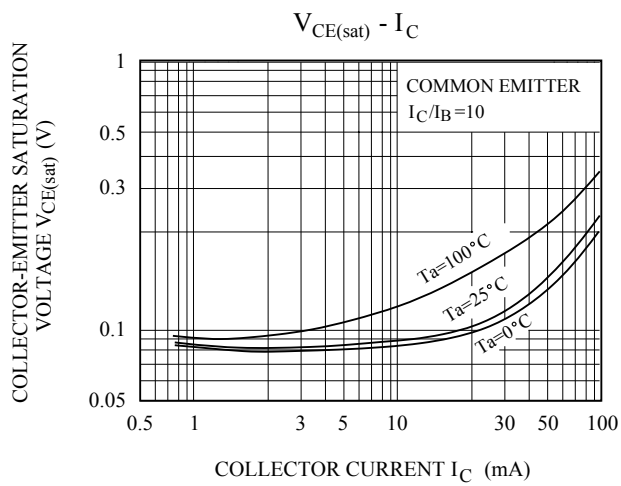
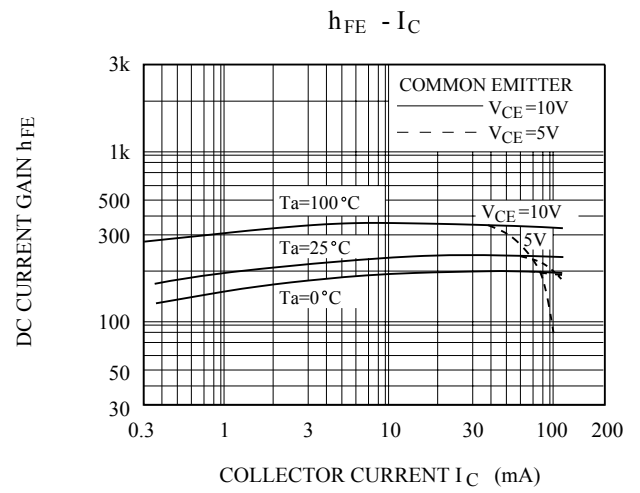
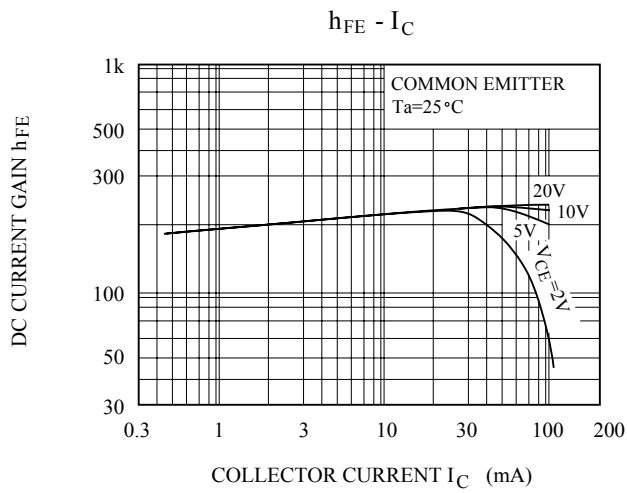
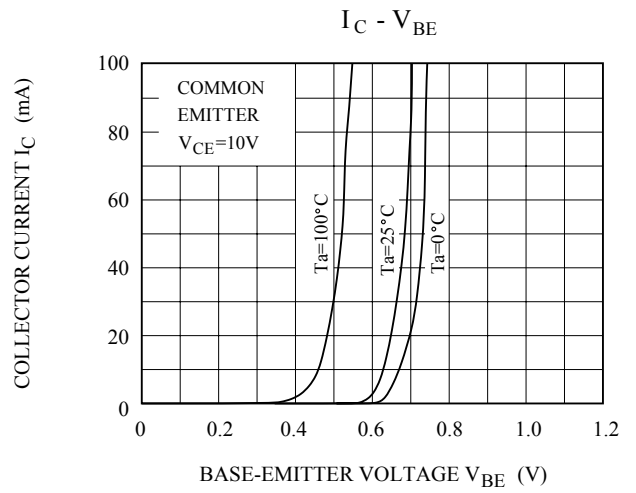
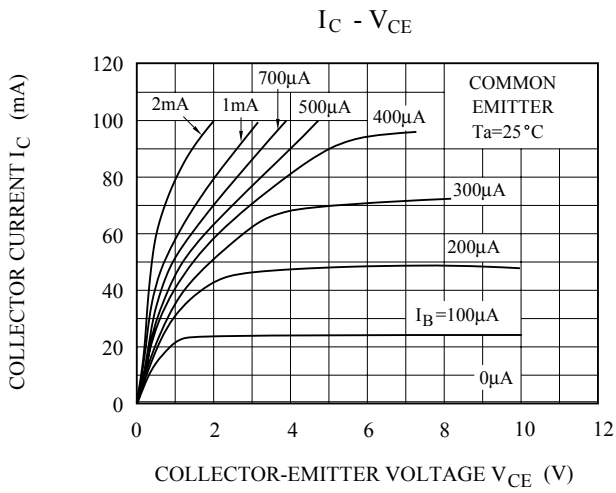


#### ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ C$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	$I_{CBO}$	$V_{CB}=200V, I_E=0$	-	-	0.1	$\mu A$
Emitter Cut-off Current	$I_{EBO}$	$V_{EB}=5V, I_C=0$	-	-	0.1	$\mu A$
DC Current Gain	$h_{FE(1)}$ (Note)	$V_{CE}=10V, I_C=10mA$	120	-	400	
	$h_{FE(2)}$	$V_{CE}=10V, I_C=50mA$	80	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=50mA, I_B=5mA$	-	-	0.5	V
Base-Emitter Voltage	$V_{BE}$	$V_{CE}=10V, I_C=1mA$	0.5	0.6	0.7	V
Transition Frequency	$f_T$	$V_{CE}=10V, I_C=10mA$	50	-	-	MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB}=10V, I_E=0, f=1MHz$	-	-	7.0	pF

Note :  $h_{FE(1)}$  Classification Y:120~240, GR:200~400

# KTC1026



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