

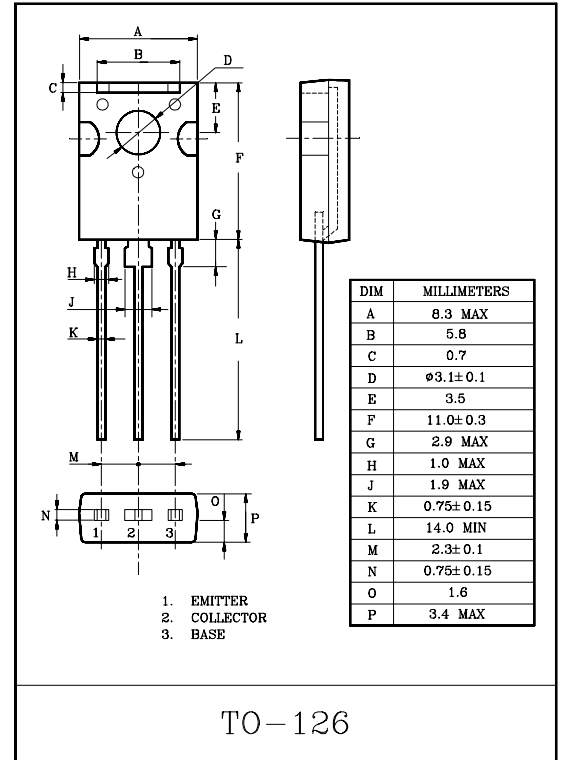
COLOR TV CHROMA OUTPUT AND  
AUDIO OUTPUT APPLICATIONS.

#### FEATURES

- High breakdown voltage :  $V_{CEO} \geq 300V$ .

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

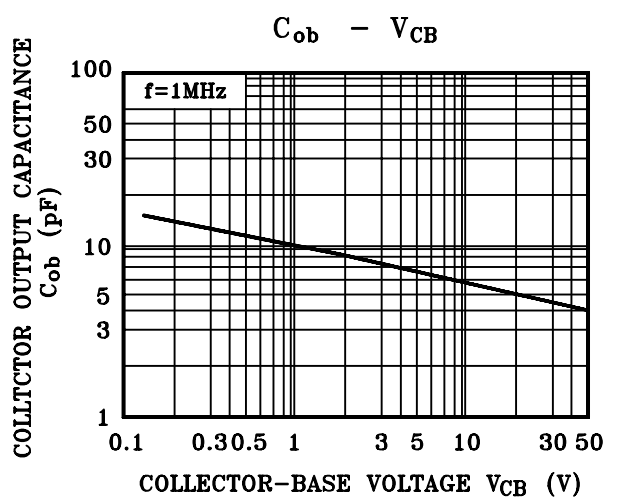
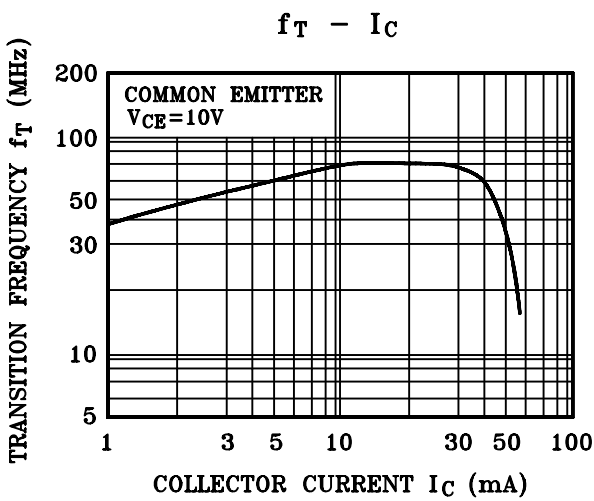
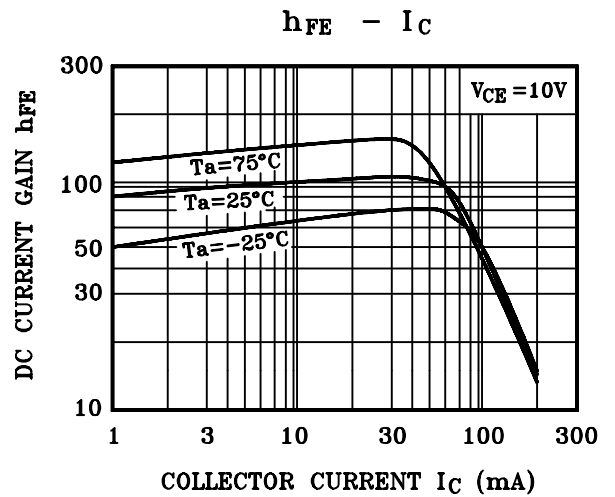
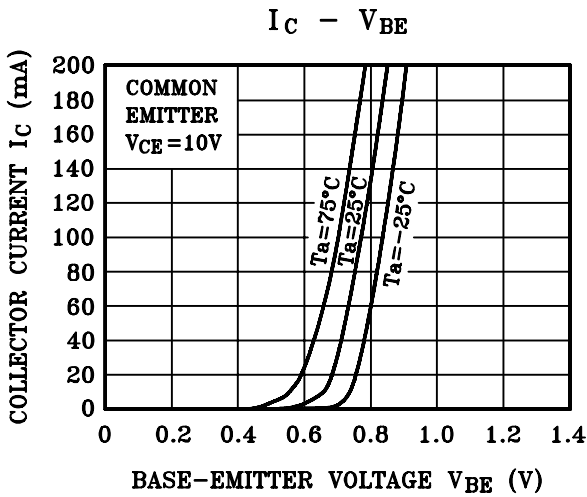
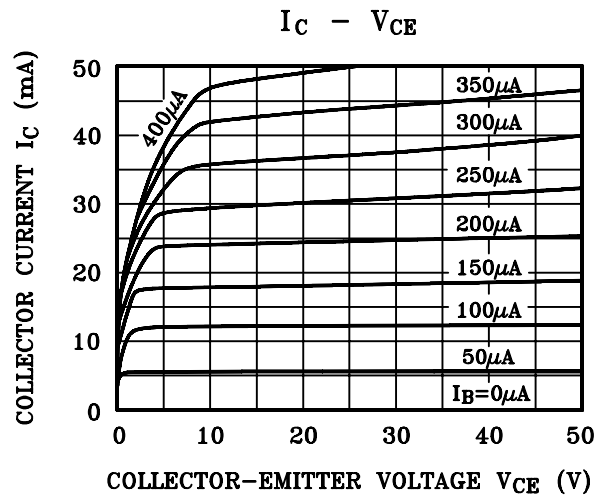
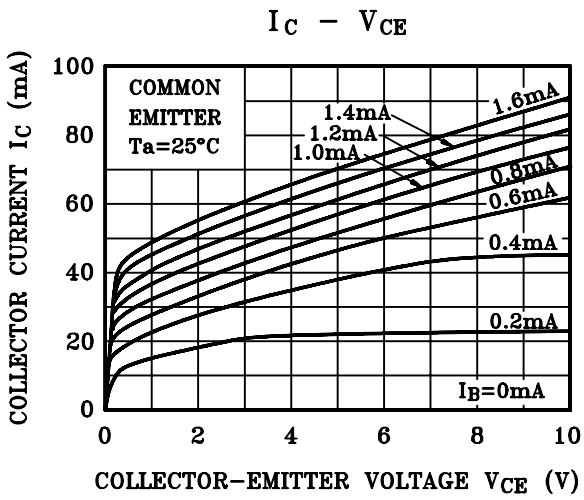
CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage		$V_{CBO}$	300	V
Collector-Emitter Voltage		$V_{CEO}$	300	V
Emitter-Base Voltage		$V_{EBO}$	6	V
Collector Current	DC	$I_C$	200	mA
	Pulse	$I_{CP}$	400	
Collector Power Dissipation	$T_a=25^\circ C$	$P_C$	1.5	W
	$T_c=25^\circ C$		10	
Junction Temperature		$T_j$	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	$h_{FE}(\text{Note})$	$V_{CE}=10V, I_C=10mA$	60	-	200	
Transition Frequency	$f_T$	$V_{CE}=10V, I_C=10mA$	-	70	-	MHz
Output Capacitance	$C_{ob}$	$V_{CB}=50V, f=1MHz$	-	3.5	-	pF
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=20mA, I_B=2mA$	-	-	0.6	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=20mA, I_B=2mA$	-	-	1.0	V

Note)  $h_{FE}$  Classification : O:60~120, Y:100~200.



# KTC4217

