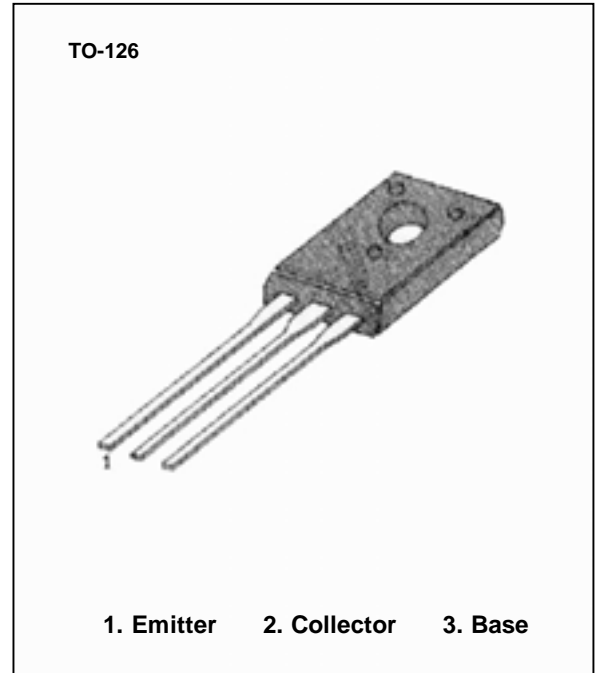


COLOR TV CHROMA OUTPUT & VIDEO OUTPUT

- Collector-Emitter Voltage: $V_{CEO}=300V$
- Collector Dissipation: $P_C(max)=10W$

Absolute Maximum Ratings (TA=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	300	V
Collector-Emitter Voltage	V_{CEO}	300	V
Emitter-Base Voltage	V_{EBO}	5	V
Collector Current	I_C	200	mA
Collector Dissipation	P_C	1250	mW
Junction Temperature	T_J	150	°C
Storage Temperature	T_{STG}	-55~+150	°C



Electrical Characteristics (TA=25°C)

Characteristic	Symbol	Test Conditions	Min		Max	Unit
Collector-Base Breakdown Voltage	BV_{CBO}	$I_C=0.1mA, I_E=0$	300			V
Collector-Emitter Breakdown Voltage	BV_{CEO}	$I_C=5mA, I_B=0$	300			V
Emitter-Base Breakdown Voltage	BV_{EBO}	$I_E=0.1mA, I_C=0$	5			V
Collector Cut-off Current	I_{CBO}	$V_{CB}=200V, I_E=0$			100	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=4V, I_C=0$			100	μA
DC Current Gain	h_{FE}	$V_{CE}=10V, I_C=10mA$	40		250	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=50mA, I_B=5mA$			1.5	V
Transition Frequency	f_T	$V_{CE}=30V, I_E=-10mA$	50	80		MHz
Feed Back Capacitance	C_{RE}	$V_{CB}=30V, I_E=0, f=1MHz$			3	pF

$h_{FE}(1)$ CLASSIFICATION

Classification	R	O	Y	G
h_{FE}	40 - 80	60 - 120	100 - 200	160 - 250