

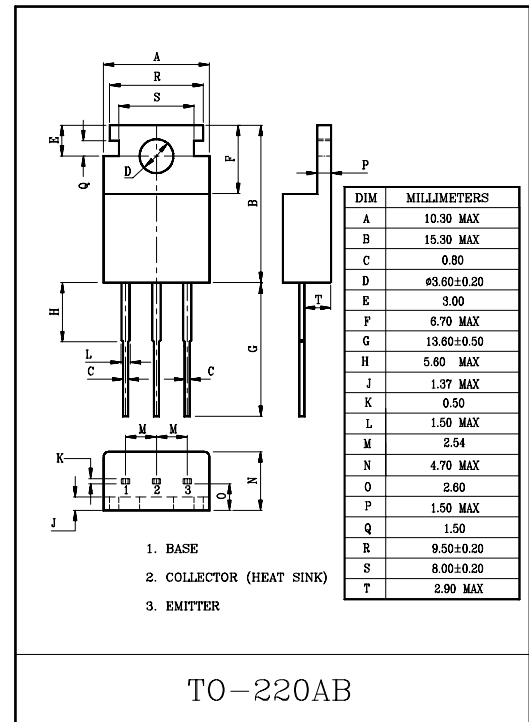
B/W TV HORIZONTAL DEFLECTION
OUTPUT APPLICATION.

FEAUTRES

- Large Collector Current Capability.
- Large Collector Power Dissipation Capability.

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	200	V
Collector-Emitter Voltage	V_{CEO}	60	V
Emitter-Base Voltage	V_{EBO}	5	V
Collector Current	I_C	4	A
	I_{CP}	10	
Base Current	I_B	1	A
Collector Power Dissipation	$T_a=25^\circ\text{C}$	2	W
	$T_c=25^\circ\text{C}$	40	
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-55 \sim 150$	$^\circ\text{C}$

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB}=170\text{V}, I_E=0$	—	—	10	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=5\text{V}, I_C=0$	—	—	10	μA
DC Current Gain	$h_{FE}(1)$	$V_{CE}=5\text{V}, I_C=1\text{A}$	30	—	150	
	$h_{FE}(2)$	$V_{CE}=5\text{V}, I_C=4\text{A}$	20	40	—	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=4\text{A}, I_B=0.4\text{A}$	—	—	1.0	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=4\text{A}, I_B=0.4\text{A}$	—	—	1.5	V
Transition Frequency	f_T	$V_{CE}=5\text{V}, I_C=0.5\text{A}$	—	8.0	—	MHz

