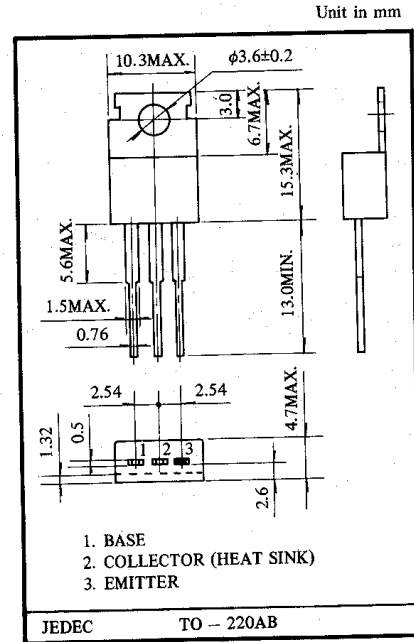


APPLICATIONS

- TV Horizontal Deflection Output Applications.

FEATURES

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



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

CHARACTERISTIC	SYMBOL	RATING	UNIT	CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CB0}	200	V	Base Current	I_B	1	A
Collector-Emitter Voltage	V_{CE0}	60	V	Collector Power Dissipation	P_C	1.5	W
Emitter-Base Voltage	V_{EB0}	5	V			40	
Collector Current	I_C	4	A	Junction Temperature	T_j	150	$^\circ\text{C}$
	I_{CP}	10	A	Storage Temperature Range	T_{stg}	-55 ~ 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	—	MHz