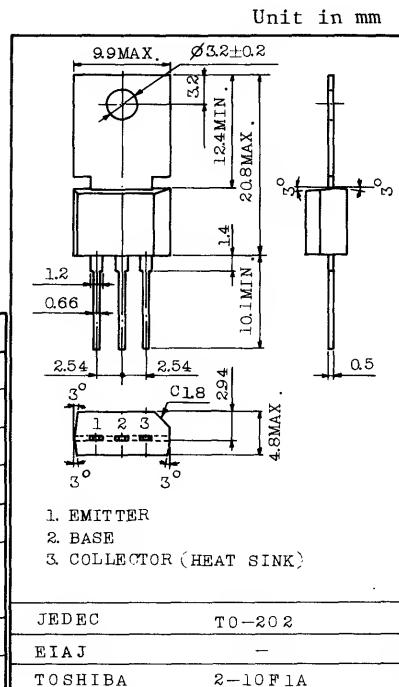


MEDIUM POWER AMPLIFIER APPLICATIONS.
TV HORIZONTAL DRIVER APPLICATIONS.

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	200	V
Collector-Emitter Voltage	V_{CEO}	120	V
Emitter-Base Voltage	V_{EBO}	6	V
Collector Current	I_C	800	mA
Base Current	I_B	500	mA
Collector Power Dissipation	P_C	1.5 6.25	W
Junction Temperature	T_j	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	-55 ~ 150	$^{\circ}\text{C}$



Weight : 1.4g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB}=200\text{V}$, $I_E=0$	-	-	10	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=6\text{V}$, $I_C=0$	-	-	1	μA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=10\text{mA}$, $I_B=0$	120	-	-	V
DC Current Gain	$h_{FE}(1)$	$V_{CE}=5\text{V}$, $I_C=100\text{mA}$	60	-	250	
	$h_{FE}(2)$	$V_{CE}=5\text{V}$, $I_C=400\text{mA}$	40	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(\text{sat})}$	$I_C=500\text{mA}$, $I_B=50\text{mA}$	-	-	1	V
Base-Emitter Saturation Voltage	$V_{BE(\text{sat})}$	$I_C=500\text{mA}$, $I_B=50\text{mA}$	-	-	1.5	V
Transition Frequency	f_T	$V_{CE}=5\text{V}$, $I_E=100\text{mA}$	30	50	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=10\text{V}$, $I_E=0$, $f=1\text{MHz}$	-	-	30	pF

