

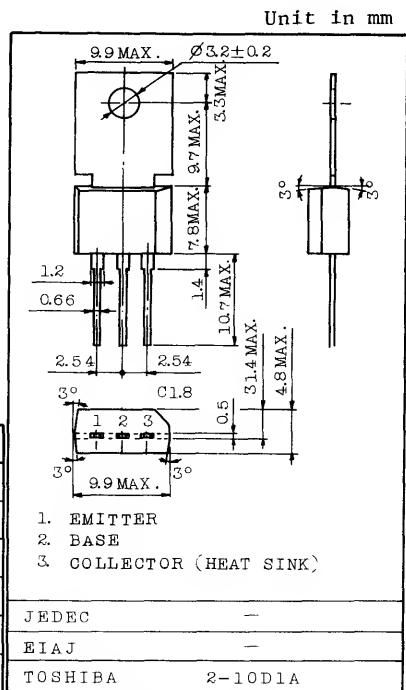
MEDIUM POWER AMPLIFIER APPLICATIONS. DRIVER STAGE AMPLIFIER APPLICATIONS.

FEATURES:

- . Complementary to S1376

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	80	V
Collector-Emitter Voltage	V_{CEO}	80	V
Emitter-Base Voltage	V_{EBO}	5	V
Collector Current	I_C	750	mA
Base Current	I_B	500	mA
Collector Power Dissipation	P_C	1.5	W
Junction Temperature	T_j	150	$^{\circ}C$
Storage Temperature Range	T_{stg}	-55 ~ 150	$^{\circ}C$



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}	$V_{CB}=30V, I_E=0$	-	-	0.5	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=5V, I_C=0$	-	-	1.0	μA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=10mA, I_B=0$	80	-	-	V
DC Current Gain	$h_{FE}(1)$	$V_{CE}=2V, I_C=150mA$	70	-	240	
	$h_{FE}(2)$	$V_{CE}=2V, I_C=500mA$	40	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=500mA, I_B=50mA$	-	-	0.5	V
Base-Emitter Voltage	V_{BE}	$V_{CE}=2V, I_C=500mA$	-	-	1.0	V
Transition Frequency	f_T	$V_{CE}=2V, I_C=150mA$	50	100	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=10V, I_E=0, f=1MHz$	-	15	-	pF

