

Unit in mm

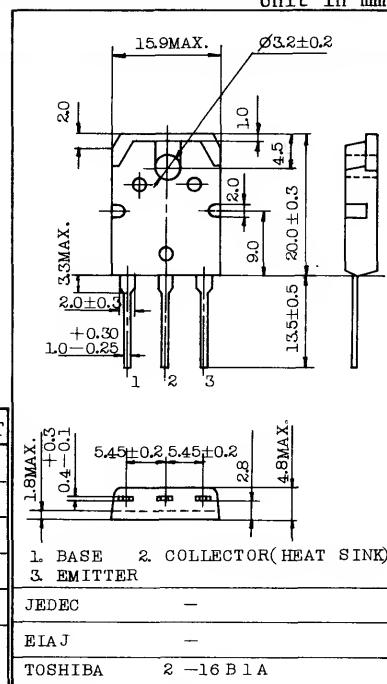
POWER AMPLIFIER APPLICATIONS.

FEATURES:

- Complementary to 2SB686.
- Recommended for 30 ~ 35W High-Fidelity Audio Frequency Amplifier Output Stage.

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CBO}	100	V
Collector-Emitter Voltage	V _{CEO}	100	V
Emitter-Base Voltage	V _{EBO}	5	V
Collector Current	I _C	6	A
Emitter Current	I _E	-6	A
Collector Power Dissipation (Tc=25°C)	P _C	60	W
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	-55~150	°C



Weight : 4.6g

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX	UNIT
Collector Cut-off Current	I _{CBO}	V _{CB} =100V, I _E =0	-	-	10	μA
Emitter Cut-off Current	I _{EBO}	V _{EB} =5V, I _C =0	-	-	10	μA
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	I _C =50mA, I _B =0	100	-	-	V
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	I _E =10mA, I _C =0	5	-	-	V
DC Current Gain	h _{FE} (Note)	V _{CE} =5V, I _C =1A	55	-	160	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C =4A, I _B =0.4A	-	-	2.0	V
Base-Emitter Voltage	V _{BE}	V _{CE} =5V, I _C =4A	-	-	1.5	V
Transition Frequency	f _T	V _{CE} =5V, I _C =1A	-	12	-	MHz
Collector Output Capacitance	C _{ob}	V _{CB} =10V, I _E =0, f=1MHz	-	100	-	pF

Note : h_{FE} Classification R : 55~110, 0 : 80~160

