

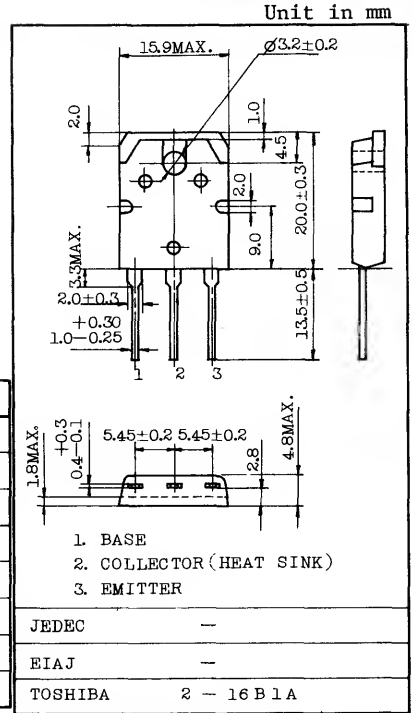
POWER AMPLIFIER APPLICATIONS.

FEATURES:

- Complementary to 2SD716.
- Recommended for 30 ~ 35W High-Fidelity Audio Frequency Amplifier Output Stage.

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CB0}	-100	V
Collector-Emitter Voltage	V _{CE0}	-100	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current	I _C	-6	A
Emitter Current	I _E	6	A
Collector Power Dissipation (T _c =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 _{CB0}	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)CE0}	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	-	10	-	MHz
Collector Output Capacitance	C _{ob}	V _{CB} =-10V, I _E =0, f=1MHz	-	270	-	pF

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

