

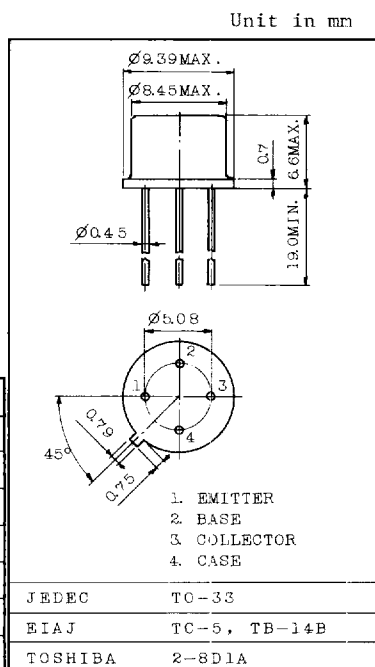
HIGH POWER AMPLIFIER FOR CATV APPLICATIONS.

## FEATURES:

- . Wide Band and High Gain for Class A Amplifier.
- . Excellent Cross Modulation Characteristics.
- . All Electrodes Insulated from Case.

## MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V <sub>CB0</sub>	50	V
Collector-Emitter Voltage	V <sub>CE0</sub>	35	V
Emitter-Base Voltage	V <sub>EB0</sub>	3	V
Collector Current	I <sub>C</sub>	300	mA
Collector Power Dissipation	P <sub>C</sub>	600	mW
Junction Temperature	T <sub>j</sub>	150	°C
Storage Temperature Range	T <sub>stg</sub>	-55 ~ 150	°C



Weight : 1.2g

## ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I <sub>CB0</sub>	V <sub>CB</sub> =20V, I <sub>E</sub> =0	-	-	0.3	μA
Collector-Emitter Breakdown Voltage	V <sub>(BR)CEO</sub>	I <sub>C</sub> =5mA, I <sub>B</sub> =0	35	-	-	V
DC Current Gain	h <sub>FE</sub> (Note)	V <sub>CE</sub> =10V, I <sub>C</sub> =50mA	25	-	90	
Transition Frequency	f <sub>T</sub>	V <sub>CE</sub> =20V, I <sub>E</sub> =-50mA	1100	1400	-	MHz
Collector Output Capacitance	C <sub>ob</sub>	V <sub>CB</sub> =15V, I <sub>E</sub> =0, f=1MHz	-	2.2	3.0	pF
Noise Figure	NF	V <sub>CE</sub> =20V, I <sub>C</sub> =10mA R <sub>g</sub> =50Ω, f=200MHz	-	4.0	5.0	dB
Power Gain	G <sub>pe</sub>	V <sub>CC</sub> =20V, I <sub>E</sub> =-50mA f=200MHz	10	14	-	dB

Note: h<sub>FE</sub> Classification R:25 ~ 50    O:45 ~ 90

