

POWER AMPLIFIER APPLICATIONS.  
VOLTAGE AMPLIFIER APPLICATIONS.

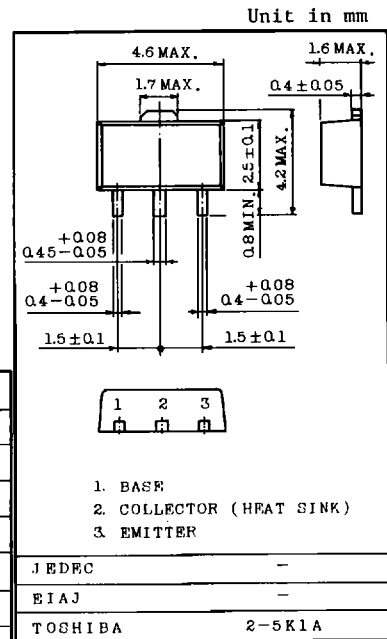
**FEATURES:**

- . Suitable for driver of 30~35 Watts Audio Amplifier
- .  $P_C=1\sim 2W$  (Mounted on Ceramic Substrate)
- . Small Flat Package
- . Complementary to 2SC2882

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	$V_{CB0}$	-80	V
Collector-Emitter Voltage	$V_{CE0}$	-80	V
Emitter-Base Voltage	$V_{EB0}$	-5	V
Collector Current	$I_C$	-400	mA
Base Current	$I_B$	-80	mA
Collector Power Dissipation	$P_C$	500	mW
Collector Power Dissipation	$P_C^{**}$	1000	mW
Junction Temperature	$T_j$	150	$^\circ C$
Storage Temperature Range	$T_{stg}$	-55~150	$^\circ C$

$P_C^{**}$ : 2SA1202 mounted on ceramic substrate (250mm<sup>2</sup> × 0.8t)



Weight : 0.052g

Marking Type Name  
hFE Rank



**ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ C$ )**

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	$I_{CBO}$	$V_{CB}=-80V, I_E=0$	-	-	-100	nA
Emitter Cut-off Current	$I_{EBO}$	$V_{EB}=-5V, I_C=0$	-	-	-100	nA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=-10mA, I_B=0$	-80	-	-	V
DC Current Gain	$h_{FE(1)}$ (Note)	$V_{CE}=-2V, I_C=-50mA$	70	-	240	
	$h_{FE(2)}$	$V_{CE}=-2V, I_C=-200mA$	40	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-200mA, I_B=-20mA$	-	-	-0.4	V
Base-Emitter Voltage	$V_{BE}$	$V_{CE}=-2V, I_C=-5mA$	0.55	-	-0.8	V
Transition Frequency	$f_T$	$V_{CE}=-10V, I_C=-10mA$	-	120	-	MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB}=-10V, I_E=0, f=1MHz$	-	14	-	pF

Note :  $h_{FE}$  Classification    O : 70~140,    Y : 120~240

