

AUDIO FREQUENCY AMPLIFIER APPLICATIONS.

FEATURES:

- . Suitable for Output Stage of 3 Watts Amplifier
- . $P_C=1 \sim 2W$ (Mounted on Ceramic Substrate)
- . Small Flat Package
- . Complementary to 2SC2883

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CB0}	-30	V
Collector-Emitter Voltage	V_{CE0}	-30	V
Emitter-Base Voltage	V_{EB0}	-5	V
Collector Current	I_C	-1.5	A
Base Current	I_B	-0.3	A
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	$^\circ C$

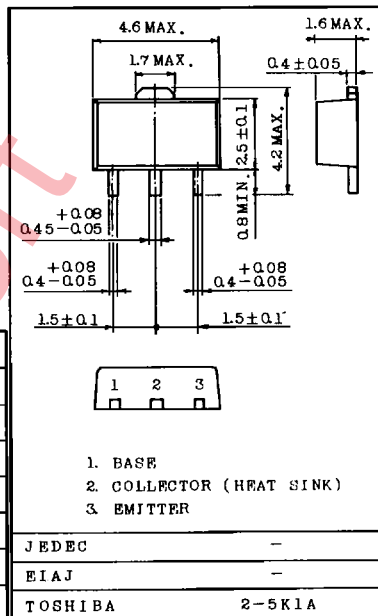
P_C^* : 2SA1203 mounted on ceramic substrate (250mm² × 0.8t)

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB}=-30V, I_E=0$	-	-	-100	nA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=-5V, I_C=0$	-	-	-100	nA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=-10mA, I_B=0$	-30	-	-	V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=-1mA, I_C=0$	-5	-	-	V
DC Current Gain	h_{FE} (Note)	$V_{CE}=-2V, I_C=-500mA$	100	-	320	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-1.5A, I_B=-0.03A$	-	-	-2.0	V
Base-Emitter Voltage	V_{BE}	$V_{CE}=-2V, I_C=-500mA$	-	-	-1.0	V
Transition Frequency	f_T	$V_{CE}=-2V, I_C=-500mA$	-	120	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=-10V, I_E=0, f=1MHz$	-	-	50	pF

Note : h_{FE} Classification O : 100 ~ 200, Y : 160 ~ 320

Unit in mm



Weight : 0.052g

Marking

Type Name
hFE Rank



