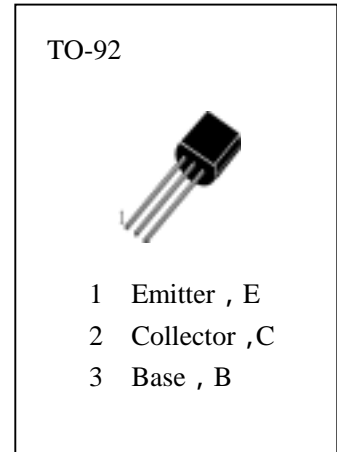




AUDIO POWER AMPLIFIER APPLICATIONS

ABSOLUTE MAXIMUM RATINGS ($T_a=25$)

- T_{stg} —Storage Temperature..... -55~150
- T_j —Junction Temperature.....150
- P_C —Collector Dissipation.....-750mW
- V_{CBO} —Collector-Base Voltage.....-30V
- V_{CEO} —Collector-Emitter Voltage.....-30V
- V_{EBO} —Emitter-Base Voltage.....-5V
- I_C —Collector Current.....-2A



ELECTRICAL CHARACTERISTICS ($T_a=25$)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV_{CBO}	Collector-Base Breakdown Voltage	-30			V	$I_C=-100 \mu A, I_E=0$
BV_{CEO}	Collector-Emitter Breakdown Voltage	-30			V	$I_C=-10mA, I_B=0$
BV_{EBO}	Emitter-Base Breakdown Voltage	5			V	$I_E=-1mA, I_C=0$
I_{CBO}	Collector Cut-off Current			-100	nA	$V_{CB}=-30V, I_E=0$
I_{EBO}	Emitter-Base Cut-off Current			-100	nA	$V_{EB}=-5V, I_C=0$
h_{FE}	DC Current Gain	100		320		$V_{CE}=-2V, I_C=-500mA$
$V_{CE(sat)}$	Collector- Emitter Saturation Voltage			-2	V	$I_C=-1.5mA, I_B=-30mA$
$V_{BE(ON)}$	Base-Emitter On Voltage			-1	V	$V_{CE}=-2V, I_C=-500mA$
f_T	Current Gain-Bandwidth Product		120		MHZ	$V_{CE}=-2V, I_C=-500mA$
C_{ob}	Collector-Base Capacitance		48		pF	$V_{CB}=-10V, I_E=0, F=1MHz$

h_{FE} Classification

O	Y
100—200	160—320