



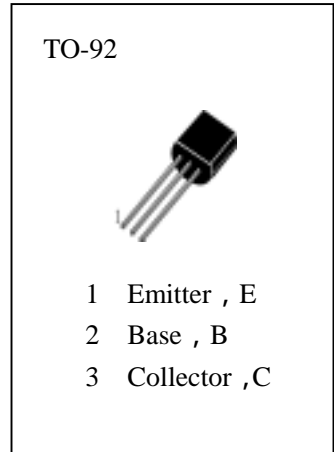
AMPLIFIER TRANSISTOR

Collector-Emitter Voltage:Vceo=150V.

Collector Dissipation:Pc(max)=625mW

ABSOLUTE MAXIMUM RATINGS ( Ta=25 )

- T<sub>stg</sub>——Storage Temperature..... -55~150
- T<sub>j</sub>——Junction Temperature..... 150
- P<sub>C</sub>——Collector Dissipation.....625mW
- V<sub>CB0</sub>——Collector-Base Voltage.....-160V
- V<sub>CE0</sub>——Collector-Emitter Voltage.....-150V
- V<sub>EB0</sub>——Emitter-Base Voltage.....-5V
- I<sub>C</sub>——Collector Current.....-600mA



ELECTRICAL CHARACTERISTICS ( Ta=25 )

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV <sub>CB0</sub>	Collector-Base Breakdown Voltage	-160			V	I <sub>C</sub> =-100 μ A, I <sub>E</sub> =0
BV <sub>CE0</sub>	Collector-Emitter Breakdown Voltage	-150			V	I <sub>C</sub> =-1mA, I <sub>B</sub> =0
BV <sub>EB0</sub>	Emitter-Base Breakdown Voltage	-5			V	I <sub>E</sub> =-10 μ A , I <sub>C</sub> =0
I <sub>CBO</sub>	Collector Cut-off Current			-50	nA	V <sub>CB</sub> =-120V, I <sub>E</sub> =0
I <sub>EBO</sub>	Emitter-Base Cut-off Current			-50	nA	V <sub>EB</sub> =-3V, I <sub>C</sub> =0
H <sub>FE</sub> ( 1 )	DC Current Gain	30				V <sub>CE</sub> =-5V, I <sub>C</sub> =-1mA
H <sub>FE</sub> ( 2 )		60		280		V <sub>CE</sub> =-5V, I <sub>C</sub> =-10mA
H <sub>FE</sub> ( 3 )		50				V <sub>CE</sub> =-5V, I <sub>C</sub> =-50mA
V <sub>CE(sat1)</sub>	Collector- Emitter Saturation Voltage			-0.2	V	I <sub>C</sub> =-10mA, I <sub>B</sub> =-1mA
V <sub>CE(sat2)</sub>				-0.5	V	I <sub>C</sub> =-50mA, I <sub>B</sub> =-5mA
V <sub>BE(sat1)</sub>	Base-Emitter Saturation Voltage			-1	V	I <sub>C</sub> =-10mA, I <sub>B</sub> =-1mA
V <sub>BE(sat2)</sub>				-1	V	I <sub>C</sub> =-50mA, I <sub>B</sub> =-5mA,
f <sub>T</sub>	Current Gain-Bandwidth Product	100		400	MHZ	V <sub>CE</sub> =-10V, I <sub>C</sub> =-10mA F=100MHZ