

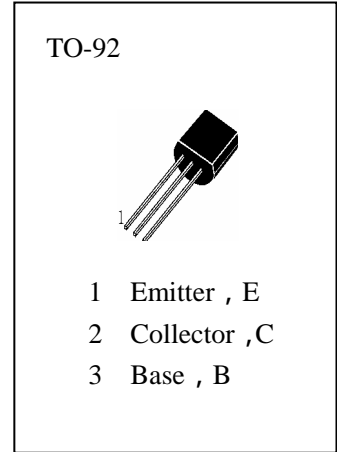


APPLICATIONS

Low frequency power amplifier Applications.

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.....600mW
- V<sub>CBO</sub>—Collector-Base Voltage.....-60V
- V<sub>CEO</sub>—Collector-Emitter Voltage.....-50V
- V<sub>EBO</sub>—Emitter-Base Voltage.....-5V
- I<sub>C</sub>—Collector Current.....-500mA
- I<sub>CP</sub>—Collector Current( Pulse ).....-800mA



ELECTRICAL CHARACTERISTICS ( Ta=25 )

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BVCBO	Collector-Base Breakdown Voltage	-60			V	I <sub>C</sub> =-10 μ A, I <sub>E</sub> =0
BVCEO	Collector-Emitter Breakdown Voltage	-50			V	I <sub>C</sub> =-1mA, I <sub>B</sub> =0
BVEBO	Emitter-Base Breakdown Voltage	-5			V	I <sub>E</sub> =-10 μ A, I <sub>C</sub> =0
ICBO	Collector Cut-off Current			-1.0	μ A	V <sub>CB</sub> =-40V, I <sub>E</sub> =0
IEBO	Emitter Cut-off Current			-1.0	μ A	V <sub>EB</sub> =-4V, I <sub>C</sub> =0
HFE(1)	DC Current Gain	60		320		V <sub>CE</sub> =-5V, I <sub>C</sub> =-50mA
HFE(2)		35				V <sub>CE</sub> =-5V, I <sub>C</sub> =-400mA
VCE(sat)	Collector- Emitter Saturation Voltage		-0.2	-0.6	V	I <sub>C</sub> =-400mA, I <sub>B</sub> =-40mA
VBE(sat)	Base-Emitter Saturation Voltage		-0.9	-1.2	V	I <sub>C</sub> =-400mA, I <sub>B</sub> =-40mA
f <sub>T</sub>	Current Gain-Bandwidth Product		120		MHZ	V <sub>CE</sub> =-10V, I <sub>C</sub> =-10mA
Cob	Output Capacitance		5		pF	V <sub>CB</sub> =-10V, f=1MHZ

hFE Classification

D	E	F
60—120	1200—200	160—320