

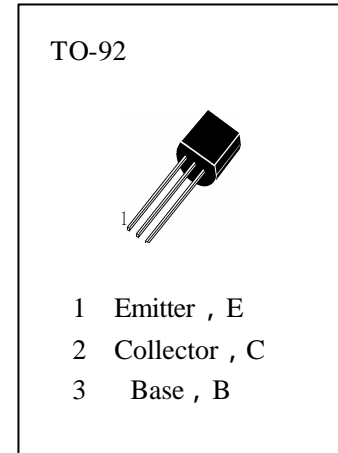


APPLICATIONS

Low frequency power amplifier.

ABSOLUTE MAXIMUM RATINGS ($T_a=25$)

T_{stg} —Storage Temperature.....	-55~150
T_j —Junction Temperature.....	150
P_C —Collector Dissipation.....	500mW
V_{CBO} —Collector-Base Voltage.....	-35V
V_{CEO} —Collector-Emitter Voltage.....	-30V
V_{EBO} —Emitter-Base Voltage.....	-5V
I_C —Collector Current.....	-500mA
I_E —Emitter Current.....	500mA



ELECTRICAL CHARACTERISTICS ($T_a=25$)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
ICBO	Collector Cut-off Current			-100	nA	$V_{CB}=-35V, I_E=0$
IEBO	Emitter Cut-off Current			-100	nA	$V_{EB}=-5V, I_C=0$
HFE (1)	DC Current Gain	70		240		$V_{CE}=-1V, I_C=-100mA$
HFE (2)	DC Current Gain	25				$V_{CE}=-6V, I_C=-400mA$
$V_{CE(sat)}$	Collector- Emitter Saturation Voltage		-0.1	-0.25	V	$I_C=-100mA, I_B=-10mA$
V_{BE}	Base-Emitter Voltage		-0.8	-1.0	V	$V_{CE}=1V, I_C=100mA$
ft	Current Gain-Bandwidth Product	150	200		MHZ	$V_{CE}=-6V, I_C=-20mA$
Cob	Output Capacitance		13		pF	$V_{CB}=-6V, I_E=0, f=1MHz$

hFE Classification

O	Y
70—140	120—240