Shantou Huashan Electronic Devices Co.,Ltd.

PNP SILICON TRANSISTOR

H817

Applications

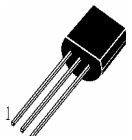
Audio Frequency Amplifier Applications

Features

- Complementary to 2SC1627.
- Suitable for driver of 20~25 watts audio amplifiers.

Package

TO-92



1—Emitter，E
2—Collector，C
3—Base，B

ABSOLUTE MAXIMUM RATINGS（T_a=25℃）

T_{stg}——Storage Temperature…… -55~150℃

T_j——Junction Temperature……150℃

P_C——Collector Dissipation……600mW

V_{CBO}——Collector-Base Voltage……-80V

V_{CEO}——Collector-Emitter Voltage……-80V

V_{EBO}——Emitter-Base Voltage……-5V

I_C——Collector Current……-300mA

Ib——Base Current……-60mA

ELECTRICAL CHARACTERISTICS（T_a=25℃）

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV_{CEO}	Collector-Emitter Breakdown Voltage	-80			V	I_C=-5mA, I_B=0
H_{FE}（1）	DC Current Gain	70		240		V_{CE}=-2V, I_C=-50mA
H_{FE}（2）	DC Current Gain	40				V_{CE}=-2V, I_C=-200mA
$V_{CE(sat)}$	Collector- Emitter Saturation Voltage			-0.4	V	I_C=-200mA, I_B=-20mA
V_{BE}	Base-Emitter Voltage	-0.55		-0.8	V	V_{CE}=-2V, I_C=-5mA
I_{CBO}	Collector Cut-off Current			-100	nA	V_{CB}=-50V, I_E=0
I_{EBO}	Emitter Cut-off Current			-100	nA	V_{EB}=-5V, I_C=0
f_T	Current Gain-Bandwidth Product	70	100		MHz	V_{CE}=-10V, I_C=-10mA
Cob	Output Capacitance		14		pF	V_{CB}=-10V, I_E=0，f=1MHz

h_{FE} Classification

O	Y
70—140	120—240

■ PERFORMANCE CURVES

