



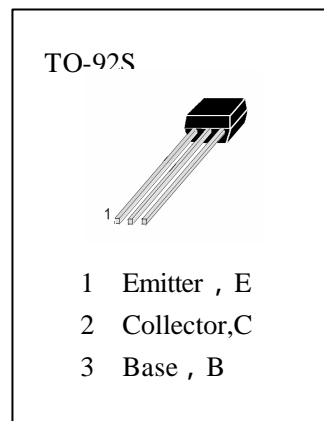
HX1267

APPLICATIONS

Switching Applications .

ABSOLUTE MAXIMUM RATINGS ($T_a=25$)

T_{stg}	Storage Temperature.....	-55~150
T_j	Junction Temperature.....	150
P_C	Collector Dissipation.....	400mW
V_{CBO}	Collector-Base Voltage.....	-50V
V_{CEO}	Collector-Emitter Voltage.....	-50V
V_{EBO}	Emitter-Base Voltage.....	-5V
I_C	Collector Current.....	-150mA
I_E	Emitted Current.....	150mA



ELECTRICAL CHARACTERISTICS ($T_a=25$)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
I_{EBO}	Emitter Cut-off Current			-0.1	μA	$V_{EB}=-5V, I_C=0$
I_{CBO}	Collector Cut-off Current			-0.1	μA	$V_{CB}=-50V, I_E=0$
$V_{CE(sat)}$	Collector- Emitter Saturation Voltage		-0.1	-0.3	V	$I_C=-100mA, I_B=-10mA$
h_{FE}	DC Current Gain	70		400		$V_{CE}=-6V, I_C=-2mA$
f_T	Current Gain-Bandwidth Product	80			MHz	$V_{CE}=-10V, I_C=-1mA$
C_{ob}	Output Capacitance		4.0	7.0	pF	$V_{CB}=-10V, I_E=0, f=1MHz$
NF	Noise Figure		1.0	10	dB	$V_{CE}=-6V, I_C=-0.1mA$ $f=1KHz, R_g=10K$

h_{FE} Classification

O	Y	GR
70—140	120—240	200—400

