



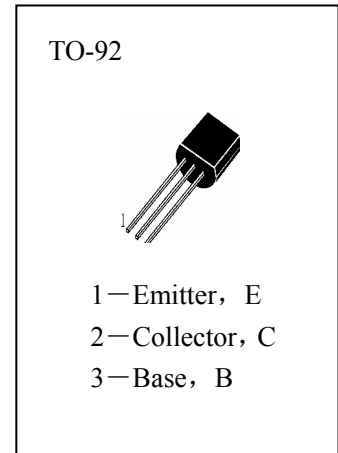
H1270

GENERAL PURPOSE APPLICATION.

SWITCHING APPLICATION

ABSOLUTE MAXIMUM RATINGS (T_a=25°C)

- T_{stg}—Storage Temperature..... -55~150°C
- T_j—Junction Temperature.....150°C
- P_C—Collector Dissipation.....500mW
- V_{CB0}—Collector-Base Voltage.....-35V
- V_{CEO}—Collector-Emitter Voltage.....-30V
- V_{EBO}—Emitter-Base Voltage.....-5V
- I_C—Collector Current.....-500mA



ELECTRICAL CHARACTERISTICS (T_a=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
I _{CBO}	Collector Cut-off Current			-100	nA	V _{CB} =-35V, I _E =0
I _{EBO}	Emitter Cut-off Current			-100	nA	V _{EB} =-5V, I _C =0
H _{FE} (1)	DC Current Gain	70		240		V _{CE} =-1V, I _C =-100mA
H _{FE} (2)		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	I _C =-1A, I _B =-100mA
f _T	Current Gain-Bandwidth Product		200		MHz	V _{CE} =-6V, I _C =-20mA
C _{ob}	Output Capacitance		13		pF	V _{CB} =-6V, I _E =0, f=1MHz

h_{FE} Classification

O	Y
70—140	120—240