

HB1061

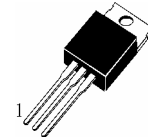
APPLICATIONS

Pulse Motor Driver.

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

T _{stg}	Storage Temperature	-55~150°C
T _j	Junction Temperature	150°C
P _C	Collector Dissipation (T _c =25°C)	15W
V _{CBO}	Collector-Base Voltage	-300V
V _{CEO}	Collector-Emitter Voltage	-300V
V _{EBO}	Emitter-Base Voltage	-7V
I _C	Collector Current	-300mA
I _b	Base Current	-30mA

TO-220



- 1 — Base, B
- 2 — Collector, C
- 3 — Emitter, E

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
I _{EBO}	Emitter Cut-off Current			-10	μ A	V _{EB} =-7V, I _C =0
I _{CBO}	Collector Cut-off Current			-10	μ A	V _{CB} =-300V, I _E =0
H _{FE} (1)	DC Current Gain	1000				V _{CE} =-1.5V, I _C =-20mA
H _{FE} (2)	DC Current Gain	1500	6000	30000		V _{CE} =-1.5V, I _C =-100mA
V _{CE(sat)}	Collector- Emitter Saturation Voltage		-0.8	-1.5	V	I _C =-100mA, I _B =-0.2A
V _{BE(sat)}	Base-Emitter Saturation Voltage		-1.4	-2	V	I _C =-100mA, I _B =-0.2mA
f _t	Current Gain-Bandwidth Product		15		MHz	V _{CE} =-1.5V, I _C =-20mA,